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Montana State Occupational Information Coordinating Committee

MONTANA SOICC

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MONTANA SUPPLY / DEMAND REPORT

Third Edition
August 1986

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MONTANA

SUPPLY/DEMAND REPORT

AUGUST, 1986

State of Montana
Ted Schwinden, Governor

Department of Labor and Industry
Gene Huntington, Commissioner

Produced by:

The Montana State Occupational Information Coordinating Committee (SOICC)

For more information contact:

Bob Rafferty, Chief
Research & Analysis Bureau
Department of Labor & Industry
P.O. Box 1728
Helena, Montana 59624
Phone: (406) 444-2430

MT. 86-194 30c

DEPARTMENT OF LABOR AND INDUSTRY
EMPLOYMENT POLICY DIVISION

TED SCHWINDEN, GOVERNOR

P.O. BOX 1728

STATE OF MONTANA

(406) 444-4500

HELENA, MONTANA 59624

Dear Reader:

In fulfilling the mandates set forth in the Job Training Partnership Act (JTPA) and the Carl Perkins Vocational Education Act, this publication represents the continuing effort of the Montana State Occupational Information Coordinating Committee (SOICC) to provide data users with the most up-to-date, comprehensive, and reliable labor market information designed to aid in the planning for education and training programs.

This report contains "supply", defined as workers or program completers, and "demand", defined as jobs. It should be helpful to all parties interested in the future educational and occupational needs of Montana.

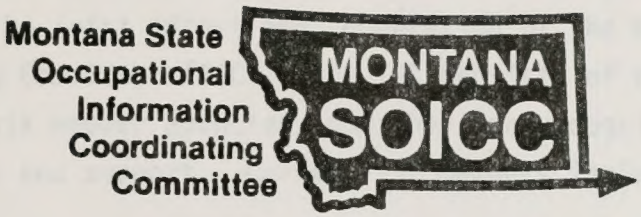
Any comments or suggestions for improvement are welcome.

Sincerely,

Bob Rafferty

Bob Rafferty, Chief
Research & Analysis Bureau

AN EQUAL OPPORTUNITY EMPLOYER



Post Office Box 1728
Helena, Montana 59624
(406) 444-2741

COMMITTEE MEMBERS

T. Gary Curtis, Administrator
Job Service and Training Division
Department of Labor and Industry

Maggie Bullock, Administrator
Rehabilitative/Visual Services Division
Department of Social and Rehabilitation Services

Sue Mohr, Administrator
Employment Policy Division
Department of Labor and Industry

Carrol Krause, Commissioner
Office of the Commissioner of Higher Education

Gene Christiaansen, Assistant Superintendent
Department of Vocational Education Services
Office of Public Instruction

Steve Huntington, Administrator
Office of Economic Analysis
Department of Commerce

Robert N. Arnold, Program Officer

August, 1986

MONTANA
SOICC

ACKNOWLEDGEMENTS

The information contained within this publication would not have been possible without the joint effort and cooperation of the Montana SOICC's Technical Steering Committee (TSC). The TSC consists of representatives from the SOICC's six member agencies, and they are recognized for their continued guidance and support. Current TSC members include:

- Bob Rafferty, Chief, Research and Analysis Bureau, Employment Policy Division, Department of Labor and Industry
- Joanne Sullivan, Employment and Training Specialist, Employment Policy Division, Department of Labor and Industry
- Paul Dunham, Director, Research and Services, Office of the Commissioner of Higher Education, University System
- Bob Ruthemeyer, Specialist, State Plan/Research/Reports, Department of Vocational Education Services, Office of Public Instruction
- Phil Brooks, Economist, Census and Economic Information Bureau, Department of Commerce
- Bob Jahner, Program Officer, Rehabilitative/Visual Services Division, Department of Social and Rehabilitation Services
- Constance Enzweiler, Research Assistant, Montana Career Information System
- Mickey Hines, Administrative Officer, Job Service Division, Department of Labor and Industry

Special thanks are extended to the staffers at the Montana Career Information System, the Montana Advisory Council for Vocational Education, the Job Service and Training Division, the Department of Vocational Education Services, and the Office of the Commissioner of Higher Education, who all offered valuable insight into the needs of the audiences and users that they serve.

The efforts of Kate Kahle, SOICC Administrative Assistant, have made a considerable contribution to this publication. Kate edited, typed,

proofed, assisted in writing, and clustered much of the information contained within the 1986 edition of the Montana Supply/Demand Report.

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Points to Remember About the Montana SOICC

- The Montana SOICC is a Committee.
- The SOICC and its work are really an extension of each of its member agencies and their individual agency work.
- All of the SOICC's work is accomplished through interagency cooperation.
- The SOICC compiles data from many agencies, then processes and analyzes the data in a technically appropriate manner to produce information usable by program planners and administrators.
- The SOICC's work minimizes duplication between agencies and improves the availability of useful information (particularly important in times of reduced budgets).
- The SOICC provides a formal structure that links the work done by education and labor agencies in Montana.
- The SOICC is responsible for designing, implementing, and maintaining a statewide, comprehensive Occupational Information System (OIS) based on current supply (workers) and demand (jobs).

For further information, contact:
The Montana State Occupational Information
Coordinating Committee (SOICC)
P.O. Box 1728
Helena, Montana 59624
Phone: (406) 444-2741

Introduction

A continuing challenge facing education and training institutions is to identify, design, and offer programs that serve both the needs of individual participants and the needs of the economy and society as a whole. It is crucial that training programs designed to prepare individuals for specific occupations be realistic in light of the anticipated job openings (demand) and the expected number of persons available for and prepared to fill them (supply).

While a number of factors must be considered in the design of training strategies, it is clear that occupational information can serve as a valuable asset to the planner. Recent legislation--in particular the Carl Perkins Vocational Education Act of 1984, the Comprehensive Employment and Training Act Amendments of 1978, and the Job Training Partnership Act (JTPA) of 1982--have stressed the value of providing and using occupational information, by mandating the development of national, State, and local occupational information systems (OIS) to meet the common occupational information needs of vocational education and employment and training programs.

An OIS adds an important dimension to planning processes because it provides comprehensive data on current and anticipated labor market conditions. Access to this information has several potential benefits for education and training institutions. For example, it may enable them to play a greater role in economic development efforts or to respond to employers' needs in a more systematic and timely fashion. While personal contacts are very important, they are difficult to maintain in large numbers across a wide spectrum of employers. The OIS offers planners a broad perspective of employment needs and an efficient means of learning about local labor market conditions.

An OIS, however, cannot provide a planner with a definite quantitative indicator of what to do about a program along the lines of "30 additional people need to be trained in program X." Analysis and interpretation of

possible causes for labor imbalances is not an exact science. Judgment, reason, and the experience of the planner, program advisory groups, and others all need to be considered in analyzing occupational information as a factor in program planning decisions.

An OIS can help planners make better informed decisions. It saves time and increases efficiency by flagging potential problems and verifying areas that are performing well. This allows planners to focus their attention and limited resources on areas that require action. An OIS also can provide planners with documentation to justify program decisions and thus aid in obtaining approval of plans and funding. In times of limited resources, demonstrating the potential impact of a program on the economy of the community and the State could prove to be a critical point in obtaining funding. Use of a comprehensive integrated OIS can help planners justify decisions on the basis of economic impact and answer questions that may be raised in the plan approval process.

Planning decisions can have broad policy implications and do involve consideration of many factors other than labor market conditions. Among them are:

- Financial resources
- Availability of qualified teachers
- Presence of tenured faculty
- Space
- Facilities
- Equipment
- Materials and curricula
- Student interest

Final recommendations regarding planning decisions frequently involve compromises or trade-offs of some kind between competing goals or objectives. These can only be made by persons involved with and responsible for administering programs. What an OIS can provide is a common data base for coordinated planning within a State and a way for planners to identify and analyze areas that need attention.

The primary purpose for establishing SOICCs was, and continues to be, the development, implementation, and maintenance of a comprehensive occupational information system based on supply (workers) and demand (jobs). These data, in conjunction with data from the Montana Career Information System (MCIS), are used to support the career planning, guidance, and job search needs of various target populations.

MONTANA OCCUPATIONAL INFORMATION SYSTEM

Measures of Supply

Public Secondary	Vocational Technical	Higher Education	Proprietary Schools	Vocational Rehabilitation	Employment Training Programs	Job Corps
Code-1	Code-2	Code-4	Code-8	Code-6	Code-3	Code-5
Measure: Available for Work	Measure: Program Completers	Measure: Degrees Conferred	Measure: Degrees Conferred and Program Completers	Measure: Program Completers Status 18 Excluding 30	Measure: Program Completers in Termination Status	Measure: Program Completers
Time Period: July-June	Time Period: July-June	Time Period: July-June	Time Period: July-June	Time Period: October-September (FFY)	Time Period: October-September (FFY)	Time Period: October-September (FFY)
Coverage: Statewide	Coverage: Statewide	Coverage: Statewide	Coverage: Statewide	Coverage: Statewide	Coverage: Statewide	Coverage: Statewide
Classification: Classification of Instructional Programs (CIP) 6-digit code	Classification: Classification of Instructional Programs (CIP) 6-digit code	Classification: Classification of Instructional Programs (CIP) 6-digit code	Classification: Office of Education (OE) 6-digit code	Classification: Dictionary of Occupational Titles (DOT) 9-digit code	Classification: Dictionary of Occupational Titles (DOT) 9-digit code	Classification: Dictionary of Occupational Titles (DOT) 9-digit code
Reporting System: Manual	Reporting System: Manual	Reporting System: Mechanized	Reporting System: Manual	Reporting System: Mechanized	Reporting System: Mechanized	Reporting System: Mechanized

Supply Information

Supply is defined as workers. Current Supply is the number of individuals currently employed in a particular occupation, plus the number of individuals qualified and currently seeking employment in Montana in that occupation.

Montana's Occupational Information System (OIS) focuses on those who are trained and available for employment in specific occupations in Montana at given points in time. The Montana Supply/Demand Report is the major product of the Montana SOICC's OIS. An explanation of all elements contained within that report follows.

Date refers to the date the report was printed; title refers to the name of the report. "AG-01-Agriculture Production", refers to a broad description of training programs or occupations related to the cluster title. Montana's OIS currently contains sixty-nine (69) of these title assignments which serve as a means of clustering education/training programs with related occupations.

Title reflects the title of the specific training program in relation to the reporting system being used by the reporting agency. Cluster Total refers to the total number of individuals available for work and/or those people who have completed a training/education program. Code refers to the classification system code assignment that each agency reports in. The six-digit code refers to the Classification of Instructional Programs (CIP) and the nine-digit code refers to the Dictionary of Occupational Title (DOT) code.

The numbers to the right of the aforementioned codes reflect the supply (workers) which is printed in the corresponding supply column.

Public Sec (Secondary) refers to the number of high school students who have completed a vocational education training program and are available for work in the State. The limitations* in this reporting focus

on duplication. Class-based reporting systems may result in a duplicate program enrollment or completion counts and follow-up data may be based on a limited sample size. A large number of postsecondary (adult) enrollees and completers are already employed full- or part-time while participating in vocational education programs. Therefore, overlap and duplication of counts can occur.

Vo-Ed/Vo Tech (Vocational Education/Vocational Technical) represents program completers from the five (5) Vocational Technical Centers statewide. Again, class-based reporting often results in duplicate program enrollment or completion counts. Follow-up data may be based on a limited sample size, and a large number of postsecondary (adult) enrollees and completers are employed while learning just as mentioned above.

Higher Ed (Higher Education) lists all degrees conferred from all units of the Montana University System, degrees conferred and program completers from community colleges, and degrees conferred and certificates awarded from private colleges statewide. Limitations* in this reporting include students who already must be working full- or part-time, comprehensive follow-up data establishes specific relationships between students' academic fields and the occupations they eventually enter is not available, and non-accredited colleges and universities are excluded from reporting systems. Supply information here reflects only the actual number of degrees and certificates awarded. The new Classification of Instructional Program (CIP) codes enhance the report because the coding structure is more specific in its relationship between training programs and occupations.

Prop Schools (Proprietary Schools) includes program completers from cosmetology, barber, real estate preparation, and income tax preparation, etc., in schools statewide. The limitations* in this reporting include the fact that the Center for Statistics (CS), U.S. Department of Education only surveys these schools on a biennial basis. However, the Montana Career Information System (MCIS) elected to gather this information included in this report for this particular period since CS did not survey. The Montana SOICC cooperated both with CS and MCIS in data gatherings and was

able to obtain CS data much sooner than otherwise normally possible because of the cooperation. JTPA clients and Voc Rehab clients enrolled in postsecondary career school programs are counted in their respective management information systems as well as by CS' survey. Unfortunately, those individuals are counted twice in the report's supply data.

Voc Rehab (Vocational Rehabilitation) refers to program completers who have been trained with funds provided by Vocational Rehabilitation in the State. Limitations* in these data include that clients of Voc Rehab may receive services over an extended period of time and their entry into the labor market is not always known. Some clients may not be obtaining specific occupational skills either; some may obtain generic skills that assist in overcoming handicaps. Job restructuring and job tailoring are key ingredients in vocational rehabilitation. After Voc Rehab training, some clients also receive more training from other agencies, so the potential for duplication of counts exists here.

JTPA (Job Training Partnership Act) refers to inforamtion that was compiled using the JTPA client file. We used information which met the following criteria: eligible clients who received and completed training in either classroom or on-the-job training (OJT) during a one year period beginning July 1, 1984 and ending June 30, 1985. Limitations* within this reporting include the fact that the U.S. Department of Labor does not require detail on training programs and clients, and some clients are "recycled" through a number of training programs and could be counted several times because data are not available by Social Security number--only via DOT code. Often, JTPA classroom training occurs through the vocational education system. A JTPA trainee could potentially be counted in VEDS reporting, thus duplicating the counts of the available labor supply in a given occupation.

Job Corps reflects those completers from one of three Corps training centers statewide. Limitations* in these data include the fact that those enrolled are not counted by their respective home states, to which they are likely to return after receiving training. This limitation restricts the use of these data because of the inability to associate supply data with a

specific geographic area or state. Another limitation is that Job Corps centers are not required by any state or federal agency to report completer data. The Montana SOICC obtains the information directly from each center.

* LIMITATION CLARIFICATION: The Montana SOICC seriously studied duplication between reporting agencies. It was determined that the duplication rate for completers was not more than 10%.

Other supply sources not contained in this report, but which should be considered when making program training decisions include 1) occupational transfers (those who transfer from one occupation to another), 2) the number of people who migrate in/out of Montana, 3) people who are discharged or have received a retirement from the military, 4) Job Service applicants: Job Service applicants provide a partial measure of the number of individuals seeking work through various employment agencies; because the applicants are registered with Job Service, this measure of occupational supply covers only public sector agency registrants (for more information on this source of supply, contact the Research and Analysis Bureau, Montana Department of Labor and Industry, P.O. Box 1728, Helena, Montana 59624), and finally, 5) re-entrants to the labor force due to change in economic conditions (displaced workers).

In summary, statewide supply/demand data are extremely useful as a planning and counseling tool. As mentioned within each data reporting source, these data have limitations. Each counselor's and planner's professional judgment, combined with available local data, is paramount in the process. If you encounter problems using this report, contact the Montana SOICC at (406) 444-2741 for further information and explanation.

Demand Information

Demand is defined in this report simply as jobs. The demand portion of this report consists of the following information:

"AG01-Agriculture Production" refers to the cluster that farm, ranch, logging, and wildlife occupations relate to. This same cluster is used (along with others) to aggregate training programs found within the supply report. With the aid of our clustering technique, the Montana SOICC has been able to compare occupations in which people work to the related programs that people are trained in, which ultimately indicates if people are being trained to work in occupations that will continue to exist and/or provide future employment opportunities.

OES Matrix Code (Occupational Employment Statistics) refers to an eight-digit code derived from an OES five-digit survey code, plus a three-digit prefix number, that is usually--but not always--compatible with other occupational classification structures.

Current Employment refers to the number of people currently employed in Montana during base year 1984. Projected Employment refers to an estimate of the number of people expected to be employed in the corresponding occupation in 1990. These data are computed by incorporating two factors: 1) openings due to growth or decline in the level of occupational demand, and 2) replacement demand resulting from labor force separations. Growth and decline in occupational demand occur because of changes in business/economic conditions and technological advancements. Projections are formulated with procedures established by the U.S. Department of Labor's Bureau of Labor Statistics; projections are later used to convert industry employment (captured via survey) to occupational employment in each industry. Results are totaled across industries to obtain projected employment by occupation.

Average Growth refers to the average annual growth due to business/economic fluctuations and technological advancements. Average Replacements

refers to job openings that occur as individuals leave their respective occupation because of retirement or death. Job openings which occur due to occupational transfers and migration are not incorporated because valid data are not available at this time.

Average Annual Openings is comprised of two components: 1) job openings resulting from industry growth, and 2) job openings resulting from separation (deaths and retirements). Together, these components achieve total average annual openings by occupation.

Supply contains the cluster total in the supply report. By comparing the cluster total of average annual openings to the supply total, a comparison of the average annual job openings and the number of individuals trained (and are seeking work) in this occupation is achieved. Ultimately, a determination is made to substantiate whether or not training programs should be increased or decreased.

Limitations in OES Data: Occupational employment projections produced by the OES program should not be considered precise measurements but are "best estimates" based on a sample of Montana employers and historical industry employment trends. OES demand data offers users a standard and useful tool for making planning decisions. There is no source of available data that will give users an exact and current picture of occupational demand in their area. Users of demand data should be aware of the following:

- The data cover non-agricultural wage and salaried workers only (not agriculture or self-employed workers);

- Staffing patterns are based on statewide data and do not reflect possible variations from area to area of the state;

- Data are estimated, based on past trends, and therefore cannot predict unusual current or future economic conditions, or capture new occupations;

- Data should be used as estimates, not as exact figures for a particular point in time for the state; and

- Average annual openings reflect growth and replacement, not current openings due to turnover and mobility.

Further OES Information

Montana's 1990 industry/occupation projections were produced to provide reliable estimates of occupational demand. The projections were produced using a matrix based on the Occupational Employment Statistics (OES) survey. Prior to last year, the projections were generated using 1980 census-based matrix. The OES survey-based matrix is more accurate, as well as reliable, because it deals with employers rather than households.

There are three major components to the Occupational Employment Statistics program:

1) Survey of non-farm wage and salary employment

2) Industry/Occupation matrix of staffing patterns

3) Projections

The OES survey involves a periodic mailing of survey forms to non-agricultural employers. This is done in a three year cycle. Different major industries are surveyed each year so that the entire sample is completed every three years.

The matrix is a model representing the occupational staffing patterns of each industry. The staffing patterns are based on the result of the OES survey. An important function of the matrix is that it shows where people work (industries) and what they do (occupations).

The third component of the program is the projections, which is the primary goal of the OES program. There are three elements of the

projections: industry projections, occupation projections, and job openings. Job openings are made up of openings due to growth and openings due to separations from the labor force.

The projections show what is likely to happen barring major changes from past trends. The major economic assumptions used by the U.S. Bureau of Labor Statistics have been observed in these projections.

The assumptions are as follows:

1) The institutional framework of our economy will not change radically;

2) There will be no major events such as a widespread, long-lasting energy shortage or a war which would alter significantly the industrial structure of our economy or the rate of economic growth; and

3) Current technological, scientific, and social trends, such as values placed on work, education, income, and leisure, will continue.

This projection information can help us look into the future with some confidence. It is necessary to match individuals and jobs to decrease unemployment and increase job satisfaction; this could also benefit the business community and taxpayers. Through the use of the information provided, better decisions can be made for the future by having a more realistic knowledge of Montana's employment trends.

Analysis Information

The Micro-OIS contains analysis information which is made up of data captured by the Job Service and reported in the Employment Security Automated Reporting System (ESARS).

The Supply/Demand report is in cluster sequence and analysis information will be printed for each cluster by Dictionary of Occupational Titles classification. The analysis or ESARS data will contain column headings, unemployment claimants (data not captured at this time), total applicants, total openings, ratio of openings per applicant, and average hourly wage. Wage data will not be entered until the fall of 1986. All totals represent data accumulated for a one year period; therefore openings and applicants reported here may not be up-to-date. Caution should be used when using this data.

This analysis information should be used in conjunction with the supply of program completers and the estimated annual average job openings, along with any other information available for planning training programs.

MONTANA OCCUPATIONAL AND EDUCATION/TRAINING

PROGRAM CLUSTERS
CLUSTER LIST

Agriculture Cluster

AG01	Agriculture Production
AG02	Agriculture Business
AG03	Agriculture Mechanics
AG04	Horticulture & Landscaping
AG05	Forestry
AG06	Fish & Wildlife
AG07	Animal Care

Graphic Arts & Fine Arts Cluster

GX01	Advertising & Writing
GX02	Drafting
GX03	Commercial Art & Fine Arts
GX04	Printing, Graphic Arts, & Photography
GX05	Mass Communications

Health Cluster

HE01	Medical Records
HE02	Dental Assisting
HE03	Dental Hygiene
HE04	Medical Laboratory
HE05	LPN & Surgical Technician
HE06	Medical Nursing Assistant
HE07	Treatment Services
HE08	Radiologic Technician
HE09	Registered Nurse
HE10	Physician

Liberal Arts & Languages Cluster

LA01	Liberal Arts & Foreign Languages
LA02	History & Philosophy
LA03	Library Arts

Marketing Cluster

MK01	Real Estate Marketing
MK02	Marketing Management
MK03	Retail Marketing & Manufacturing
MK04	Recreation & Tourism
MK05	Insurance

Office Cluster

OF01	Bookkeeping & Accounting
OF02	Clerical Office Practice
OF03	Communications
OF04	Personnel, Labor Relations, & Law
OF05	Secretarial Office Practice
OF06	Administration/Office Management
OF07	Key Entry
OF08	Computer Science

Public Service Cluster

PS01	Emergency Medical Technician
PS02	Fire & Fire Safety
PS03	Police Science & Criminology

Skill Cluster

SK01	Electrical
SK02	Electronic
SK03	Air Conditioning, Refrigeration, & Heating
SK04	Welding
SK05	Carpentry & Construction Trades
SK06	Heavy Equipment Mechanics & Operators
SK07	Automotive & Engine Mechanics
SK08	Machine Shop
SK09	Metalworking

Service Cluster

SV01	Institutional & Building Service
SV02	Vehicle Operators & Cleaners
SV03	Barbering
SV04	Cosmetology
SV05	Child Care Services & Teaching
SV06	Food Production, Management, & Services
SV07	Funeral Services
SV08	Theological Services
SV09	Social Work

Technology Cluster

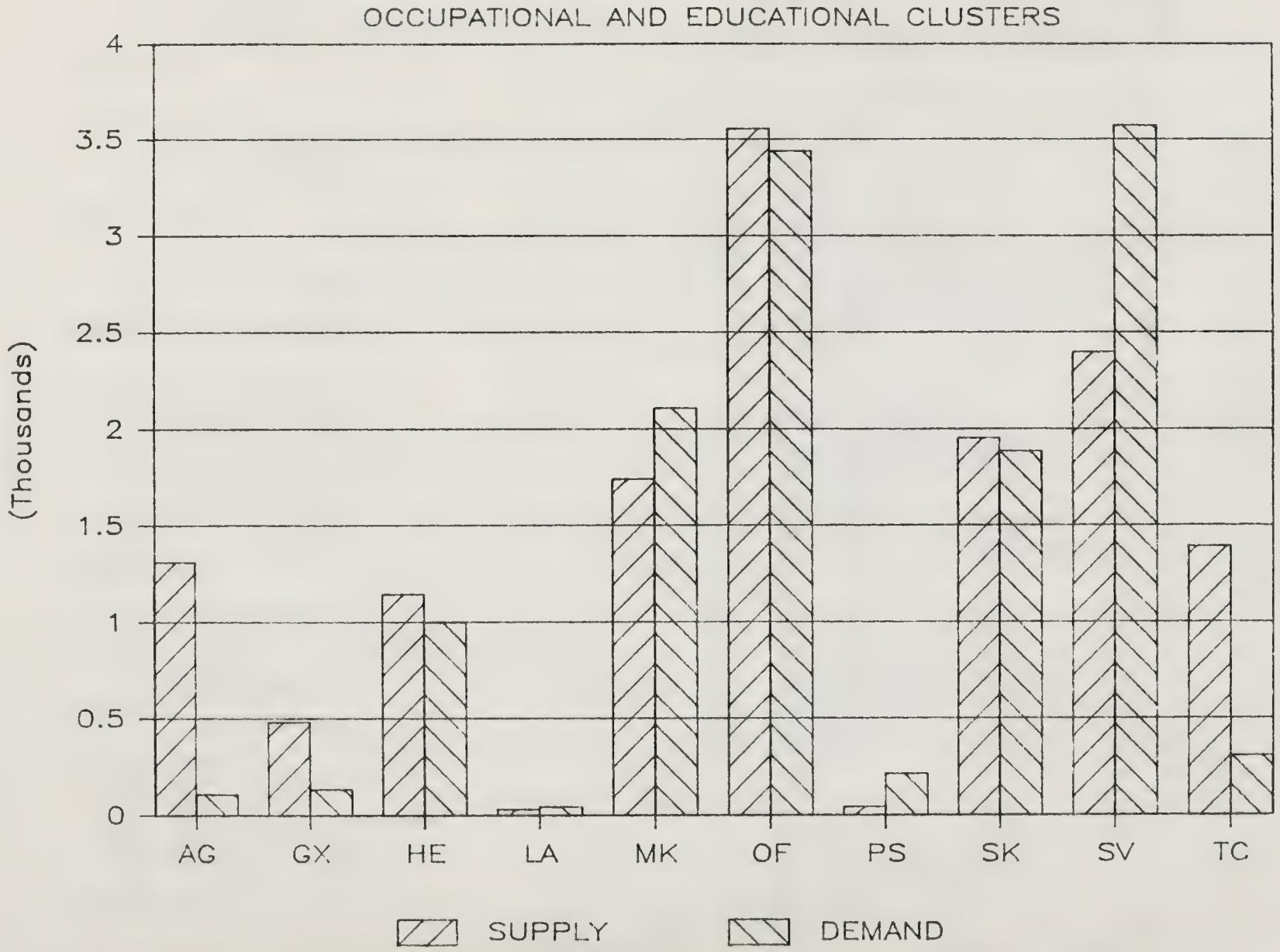
TC01	Power Station Operators
TC02	Civil Technology & Math Science
TC03	Chemical Technology
TC04	Environmental Control Technology
TC05	Mechanical Technology
TC06	Instrument Technology
TC07	Textile Technology
TC08	Aviation
TC09	Industrial Engineering

General Training Cluster

GN01	General Training Programs

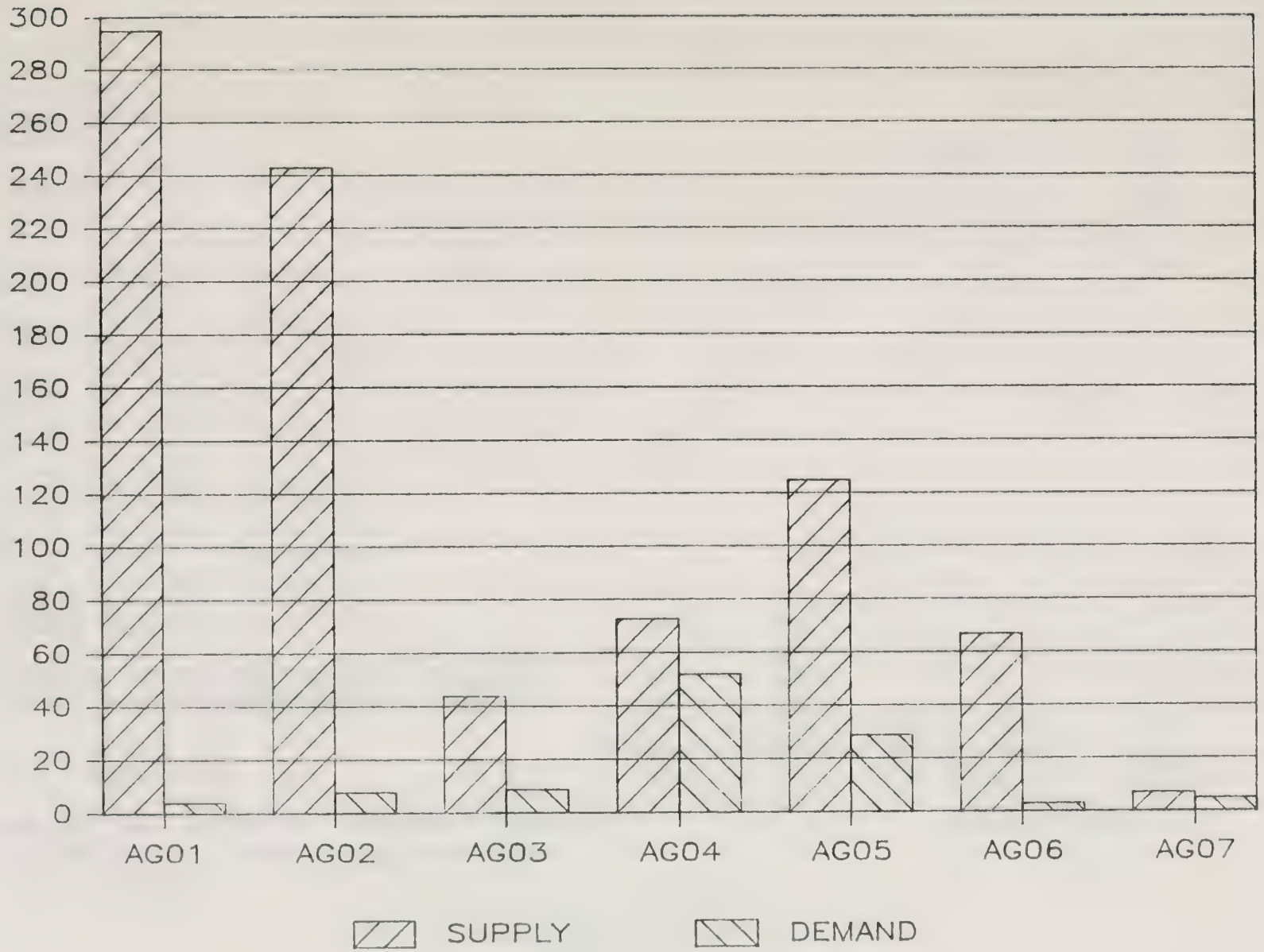
*NOTE: Occupational demand, supply, and characteristics are related to each other by organizing them into clusters. A cluster is defined as "the grouping of education/training programs that have common curricula and occupational objectives coupled with the occupations that can be entered as an outcome of the training." Data are therefore presented via cluster in this report.

1984–1985* MONTANA O.I.S.



* 84-85 data are the most current available for this 1986 report.

AGRICULTURE



08/01/86
MONTANA OCCUPATIONAL INFORMATION SYSTEM
D E M A N D R E P O R T

[0] STATEWIDE
CLUSTER TITLE: AGRICULTURE PRODUCTION
MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE AG01

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
AGRICULTURAL & FOOD SCIENTI	22224305	64	69	1	2	3
GRADERS & SORTERS: AGRICULT	66979011	21	17	0	1	1
TOTALS		85	86	1	3	4

08/01/86

MONTANA OCCUPATIONAL INFORMATION SYSTEM

S U P P L Y R E P O R T

[0] STATEWIDE

CLUSTER TITLE: AGRICULTURE PRODUCTION

SCHOOL YEAR 1984-85 CLUSTER CODE AG01

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
AGRICULTURAL PRO	01.0301	253							253
BOTANY, GENERAL	26.0301			7					7
PLANT PATHOLOGY	26.0305			6					6
SALES REPRESENTA	272.357-014				1				1
ANIMAL BREEDER	410.161-010							1	1
FARMWORKER, LIVE	410.664-010				1			4	5
ARTIFICIAL INSEM	418.384-010							1	1
FARMWORKER, GENE	421.683-010				1			2	3
FARMWORKER, GENE	421.687-010							2	2
CUSTOM-FEED-MILL	521.686-026				1				1
CUSTOM-FEED-MILL	529.132-010				1				1
FENCE ERECTOR	869.684-022				4				4
PACKER, AGRICULT	920.687-134							1	1
LABORER, STORES	922.687-058				1				1
MATERIAL HANDLER	929.687-030				6			2	8
***TOTALS		253		13	16			13	295

08/01/86

MONTANA OCCUPATIONAL INFORMATION SYSTEM

A N A L Y S I S I N F O R M A T I O N

[0] STATEWIDE — MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: AGRICULTURE PRODUCTION — CLUSTER CODE AG01

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
403.687-018	HARVEST WORKER, FRUIT	0	10	4	0.4	N.A.
404.687-010	FARMWORKER, FIELD CROP	0	6	2	0.3	N.A.
404.687-014	HARVEST WORKER, FIELD CRO	0	1	0	--	N.A.
410.684-010	FARMWORKER, DAIRY	0	43	0	--	N.A.
410.687-022	SHEEP HERDER	0	29	1	0.0	N.A.
529.687-186	SORTER, AGRICULTURAL PROD	0	113	2	0.0	N.A.
920.687-134	PACKER, AGRICULTURAL PROD	0	7	0	--	N.A.

08/01/86

MONTANA OCCUPATIONAL INFORMATION SYSTEM

D E M A N D R E P O R T

[0] STATEWIDE

CLUSTER TITLE: AGRICULTURE BUSINESS

MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE AG02

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
FARM & HOME MANAGEMENT ADVI	22631323	278	284	1	7	8
TOTALS		278	284	1	7	8

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

S U P P L Y R E P O R T

[0] STATEWIDE

CLUSTER TITLE: AGRICULTURE BUSINESS

SCHOOL YEAR 1984-85 CLUSTER CODE AG02

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
AGRICULTURAL BUS	01.0101			120					120
AGRICULTURAL BUS	01.0102			9					9
AGRICULTURAL ECO	01.0103			8					8
FARM AND RANCH M	01.0104			1					1
AGRIBUSINESS AND	01.9999			12					12
AGRICULTURAL SCI	02.0101			9					9
ANIMAL SCIENCES,	02.0201			6					6
LIVESTOCK	02.0208			10					10
AGRONOMY	02.0402			9					9
RANGE MANAGEMENT	02.0409			6					6
RANGE MANAGER	040.061-046							3	3
SOIL CONSERVATIO	040.061-054							1	1
BOTANIST	041.061-038								1
AUCTIONEERING	08.0701						138		138
COUNTY-AGRICULTU	096.127-010							2	2
EXTENSION SERVIC	096.127-014							1	1
INSPECTOR, AGRIC	168.287-010							1	1
PRODUCTION SUPER	183.117-014							4	4
SUPERVISOR, FIEL	404.131-010							1	1
FARM-MACHINE OPE	409.683-010				1				1
LIVESTOCK RANCHE	410.161-018				1			3	4
ANIMAL CARETAKER	410.674-010							3	3
FARMER, GENERAL	421.161-010							1	1
***TOTALS				190	2		138	20	351

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

D E M A N D R E P O R T

[0] STATEWIDE

CLUSTER TITLE: AGRICULTURE MECHANICS

MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE AG03

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
FARM EQUIPMENT MECHANICS	77285321	322	310	-1	10	9
TOTALS		322	310	-1	10	9

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S U P P L Y R E P O R T

[0] STATEWIDE

CLUSTER TITLE: AGRICULTURE MECHANICS

SCHOOL YEAR 1984-85 CLUSTER CODE AG03

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPRIETARY	VOC REHAB	TOTAL *****
AGRICULTURAL MEC	01.0201		2						2
AGRICULTURAL POW	01.0204	2	24						26
AGRICULTURAL ENG	14.0301			14					14
MAINTENANCE MECH	638.281-014				2				2
***TOTALS		2	26	14	2				44

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A N A L Y S I S I N F O R M A T I O N

[0] STATEWIDE — MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: AGRICULTURE MECHANICS — CLUSTER CODE AG03

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
624.281-010	FARM EQUIPMENT MECHANIC	0	33	3	0.1	N.A.

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

D E M A N D R E P O R T

[0] STATEWIDE

CLUSTER TITLE: HORTICULTURE AND LANDSCAPING

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE AG04

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
NURSERY WORKERS	66979005	56	70	2	2	4
GARDENERS & GROUNDSKEEPERS	66979014	874	985	19	29	48
TOTALS		930	1055	21	31	52

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S U P P L Y R E P O R T

[0] STATEWIDE

CLUSTER TITLE: HORTICULTURE AND LANDSCAPING

SCHOOL YEAR 1984-85

CLUSTER CODE AG04

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPRIETARY	VOC REHAB	TOTAL *****
LANDSCAPE ARCHIT	001.061-018							2	2
LANDSCAPE	01.0605			2					2
HORTICULTURE SCI	02.0403			1					1
FLORAL DESIGNER	142.081-010				2			3	5
FLORAL DESIGN	20.0504						48		48
HORTICULTURAL SP	405.161-014				1			1	2
HORTICULTURAL WO	405.687-014							1	1
GROUNDSKEEPER, I	406.684-014				3			2	5
GROUNDSKEEPER (G	406.687-010				1				1
LANDSCAPE GARDEN	408.161-010				2				2
TREE TRIMMER	408.664-010							1	1
LABORER, LANDSCA	408.687-014							2	2
BUNDLER, SEASONA	920.687-046							1	1
***TOTALS				3	9		48	13	73

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[0] STATEWIDE MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: HORTICULTURE AND LANDSCAPING CLUSTER CODE AG04

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
406.684-010	GROUNDSKEEPER, PARKS & GR	0	20	30	1.5	N.A.
408.161-010	LANDSCAPE GARDENER	0	123	36	0.3	N.A.

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D E M A N D R E P O R T

[0] STATEWIDE

CLUSTER TITLE: FORESTRY

MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE AG05

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
FORESTER, CONSERVATION SCIE	22224302	223	224	0	6	6
FARM, FORESTRY SUPERVISORS	66272001	78	71	0	2	2
FALLERS & BUCKERS	66373002	625	532	-15	14	-1
CHOKE SETTERS	66373005	223	190	-5	5	0
LOG HANDLING EQUIPMENT OPER	66373008	268	238	-4	4	0
ALL OTHER TIMBER CUTTING WO	66373099	12	10	0	0	0
FOREST & CONSERVATION WORKE	66979002	111	115	1	4	5
LOG GRADERS & SCALERS	66979008	58	53	0	2	2
AGRIC., FOREST, FISH (NO DE	66979999	338	347	2	11	13
HEAD SAWYERS	77592305	76	72	0	2	2
TOTALS		2012	1852	-21	50	29

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

S U P P L Y R E P O R T

[0] STATEWIDE

CLUSTER TITLE: FORESTRY

SCHOOL YEAR 1984-85 CLUSTER CODE AG05

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
FORESTRY PRODUCT	03.0401			3					3
FORESTRY & RELAT	03.0501	19	1	22					42
FOREST MANAGEMEN	03.0506			41					41
FORESTRY AND REL	03.0599			3					3
FORESTER	040.061-034							2	2
FORESTER AIDE	452.364-010				1	12		2	15
FALLER 1	454.384-010				6				6
LOGGER, ALL-ROUN	454.684-018				2				2
LOG SCALER	455.487-010							1	1
STICKER (SAWMILL	563.686-010				1				1
SAWMILL WORKER	667.686-014				4			1	5
GRADER, LUMBER	669.587-010				1				1
CHAIN OFFBEARER	669.686-018				2				2
TRIMMER	690.482-014							1	1
***TOTALS		19	1	69	17	12		7	125

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A N A L Y S I S I N F O R M A T I O N

[0] STATEWIDE — MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: FORESTRY — CLUSTER CODE AG05

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
040.061-034	FORESTER	0	76	5	0.1	N.A.
452.364-010	FORESTER AIDE	0	588	77	0.1	N.A.
452.687-014	FOREST-FIRE FIGHTER (FORE	0	29	81	2.8	N.A.

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D E M A N D R E P O R T

[0] STATEWIDE

CLUSTER TITLE: FISH AND WILDLIFE

MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE AG06

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
FISH & GAME WARDENS	55363041	66	68	0	3	3
TOTALS		66	68	0	3	3

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[0] STATEWIDE

CLUSTER TITLE: FISH AND WILDLIFE

SCHOOL YEAR 1984-85 CLUSTER CODE AG06

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
WILDLIFE MANAGEM	03.0601			42					42
TAXIDERMIST	199.261-010				1			4	5
ZOOLOGY, GENERAL	26.0701			19					19
WILDLIFE CONTROL	379.267-010							1	1
***TOTALS				61	1			5	67

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D E M A N D R E P O R T

[0] STATEWIDE
CLUSTER TITLE: ANIMAL CARE
MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE AG07

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
VETERINARIANS, VET. INSPECT	22732114	3	3	0	0	0
ANIMAL CARETAKERS, EXCEPT F	66979017	117	124	1	4	5
TOTALS		120	127	1	4	5

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[0] STATEWIDE

CLUSTER TITLE: ANIMAL CARE

SCHOOL YEAR 1984-85 CLUSTER CODE AG07

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
PET GROOMING	01.0504						1		1
ANIMAL HOSPITAL	245.367-010				1				1
HORSESHOER	418.381-010				1				1
DOG GROOMER	418.674-010							1	1
HORSE TRAINER	419.224-010				1			2	3
***TOTALS					3		1	3	7

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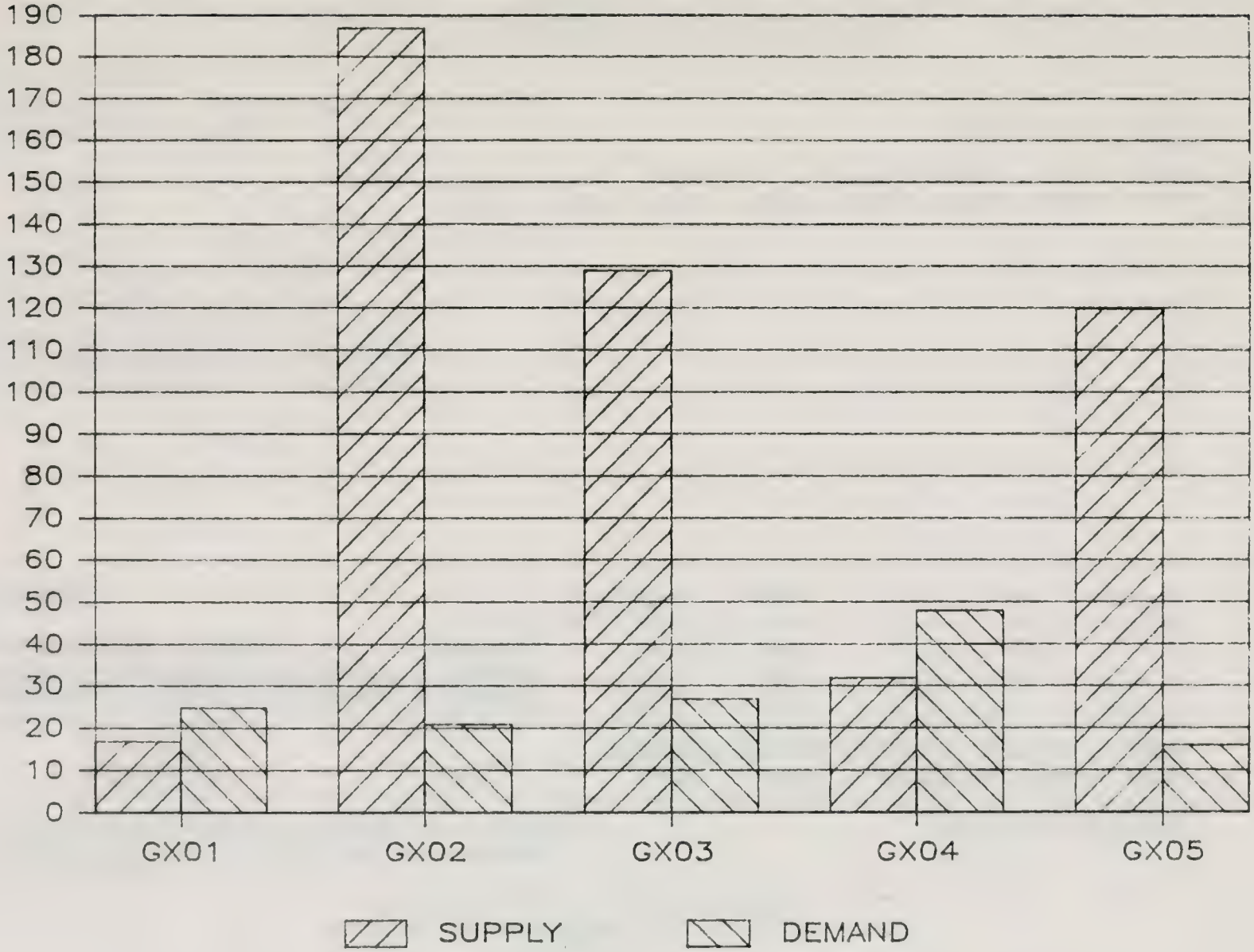
[0] STATEWIDE MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: ANIMAL CARE CLUSTER CODE AG07

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
073.101-010	VETERINARIAN	0	6	0	--	N.A.

GRAPHIC ARTS



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[0] STATEWIDE
CLUSTER TITLE: ADVERTISING AND WRITING
MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE GX01

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
WRITERS, AUTHORS & EDITORS	22834001	336	358	4	11	15
PUBLIC RELATIONS SPECIALIST	22834008	206	214	1	7	8
ADVERTISING CLERKS	44353908	47	48	0	2	2
TOTALS		589	620	5	20	25

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[0] STATEWIDE
CLUSTER TITLE: ADVERTISING AND WRITING
SCHOOL YEAR 1984-85 CLUSTER CODE GX01

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
COPY WRITER	131.067-014				1				1
WRITER, PROSE, F	131.067-046							6	6
WRITER, TECHNICA	131.267-026							4	4
MUSICIAN, INSTRU	152.041-010							1	1
PUBLIC-RELATIONS	165.067-010							4	4
PROGRAM ASSISTAN	962.167-014							1	1
***TOTALS					1			16	17

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[0] STATEWIDE — MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: ADVERTISING AND WRITING — CLUSTER CODE GX01

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
131.267-026	WRITER, TECHNICAL PUBLICA	0	29	1	0.0	N.A.
165.067-010	PUBLIC-RELATIONS REPRESEN	0	83	13	0.2	N.A.
209.387-030	PROOFREADER	0	3	0	--	N.A.

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[0] STATEWIDE
CLUSTER TITLE: DRAFTING
MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE GX02

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
DRAFTERS	22122512	483	515	5	16	21
TOTALS		483	515	5	16	21

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[0] STATEWIDE

CLUSTER TITLE: DRAFTING

SCHOOL YEAR 1984-85 CLUSTER CODE GX02

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
DRAFTER, ARCHITE	001.261-010				2			9	11
DRAFTER, ELECTRO	003.281-014							1	1
DRAFTER, CIVIL	005.281-010				1			2	3
DIE-DRAWING CHEC	007.167-010							1	1
DRAFTER, COMMERC	017.261-026				1			5	6
DRAFTER APPRENTI	017.281-014				1			1	2
DRAFTER, CARTOGR	018.261-010							1	1
DRAFTER, TOPOGRA	018.261-014				1				1
ARCHITECTURE	04.0201			53					53
DRAFTING & DESIG	15.0202			16					16
MECHANICAL DESIG	15.0805			5					5
DRAFTING, GENERA	48.0101	67	20						87
***TOTALS		67	20	74	6			20	187

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[0] STATEWIDE — MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: DRAFTING — CLUSTER CODE GX02

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
001.261-010	DRAFTER, ARCHITECTURAL	0	76	12	0.2	N.A.
003.281-010	DRAFTER, ELECTRICAL	0	12	2	0.2	N.A.
003.281-014	DRAFTER, ELECTRONIC	0	2	1	0.5	N.A.
005.281-010	DRAFTER, CIVIL	0	40	20	0.5	N.A.
005.281-014	DRAFTER, STRUCTURAL	0	2	4	2.0	N.A.

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[0] STATEWIDE
CLUSTER TITLE: COMMERCIAL ART AND FINE ARTS
MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE GX03

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
AUDIO-VISUAL SPECIALISTS	22631508	29	30	0	1	1
TV & MOTION PIC. CAMERA OPE	22834026	35	32	0	0	0
ARTISTS & RELATED WORKERS	22834035	97	110	2	4	6
DESIGNERS	22834038	259	280	4	7	11
MUSICIANS,INSTRUMENTAL	22834051	55	64	2	2	4
PRODUCERS, ACTORS, ENTERTAI	22834056	9	10	0	0	0
MOTION PICTURE PROJECTIONIS	77592905	68	64	0	5	5
TOTALS		552	590	8	19	27

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[0] STATEWIDE

CLUSTER TITLE: COMMERCIAL ART AND FINE ARTS

SCHOOL YEAR 1984-85 CLUSTER CODE GX03

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPRIETARY	VOC REHAB	TOTAL *****
INTERIOR DESIGN	04.0501			2					2
GRAPHIC DESIGNER	141.061-018				2			1	3
ILLUSTRATOR, MED	141.061-026							1	1
COMMERCIAL DESIG	141.081-014							1	1
INTERIOR DESIGNE	142.051-014							1	1
SCULPTOR	144.061-018							1	1
SINGER	152.047-022				1				1
VISUAL AND PERFO	50.0101			26					26
CRAFTS, GENERAL	50.0201			19					19
DANCE	50.0301			2					2
DRAMATIC ARTS	50.0501			14					14
FINE ARTS, GENER	50.0701			8					8
DRAWING	50.0705			19					19
MUSIC, GENERAL	50.0901			10					10
MUSIC PERFORMANC	50.0903			12					12
MUSIC THEORY AND	50.0904			2					2
PICTURE FRAMER	739.684-146				1				1
FORM MAKER, PLAS	777.684-014				1				1
SIGN WRITER, HAN	970.281-022							1	1
PAINTER, HAND	970.381-022							2	2
ENGROSSER (CALLI	970.661-010							1	1
CAMERA OPERATOR,	976.382-010				1				1
***TOTALS				114	6			9	129

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[0] STATEWIDE MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: COMMERCIAL ART AND FINE ARTS CLUSTER CODE GX03

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
142.061-018	CLOTHES DESIGNER	0	1	2	2.0	N.A.

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[0] STATEWIDE
CLUSTER TITLE: PRINTING, GRAPHIC ARTS, AND PHOTOGRAPHY
MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE GX04

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
PHOTOGRAPHERS	22834023	117	125	1	3	4
PROOFREADERS & COPY MARKERS	44353911	32	33	0	1	1
DUPLICATING MACHINE OPERATO	44656005	60	64	1	2	3
PRECISION TYPESETTERS	77489702	46	43	0	2	2
PRECISION LITHOGRAPHERS	77489708	51	72	4	1	5
BOOKBINDERS	77489711	40	45	1	1	2
ALL OTHER PRECISION PRINTIN	77489799	35	37	0	1	1
PRECISION PHOTOGRAPHIC PROC	77489914	3	3	0	0	0
OFFSET LITHOGRAPHIC PRESS S	77592512	115	122	1	3	4
LETTERPRESS SETTER/OPERATOR	77592515	23	24	0	1	1
ALL OTH PRINTING PRESS SET/	77592519	7	7	0	0	0
PHOTOENGRAVING PHOTOGRAPHER	77592521	23	26	1	1	2
BINDERY MACHINE SETTER/OPER	77592525	48	56	1	2	3
TYPESETTING MACH. OPERATOR/	77592541	78	85	1	3	4
PRINTING PRESS MACHINE OPER	77592543	145	161	3	4	7
PHOTOENGRAVING MACHINE OPER	77592545	15	19	1	1	2
BINDERY MACHINE OPERATOR	77592546	58	64	1	2	3
OTHER PRINTING MACHINE OPER	77592599	9	10	0	0	0
PHOTOGRAPHIC PROCESSING MAC	77592908	52	64	2	2	4
TOTALS		957	1060	18	30	48

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S U P P L Y R E P O R T

[0] STATEWIDE

CLUSTER TITLE: PRINTING, GRAPHIC ARTS, AND PHOTOGRAPHY

SCHOOL YEAR 1984-85 CLUSTER CODE GX04

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPRIETARY	VOC REHAB	TOTAL *****
DIRECTOR OF PHOT	143.062-010							1	1
PHOTOGRAPHER, AP	143.062-018							1	1
PHOTOGRAPHER, MO	143.062-022				1				1
GRAPHIC ARTS	21.0106	16							16
CYLINDER-PRESS O	651.362-010				1				1
PRINTER	651.380-010							1	1
OFFSET-DUPLICATI	651.682-014				1				1
BINDERY WORKER	653.685-010				1				1
SCREEN MAKER, PH	971.381-042				1				1
MICROFICHE DUPLI	976.381-014				1				1
PHOTOGRAPH FINIS	976.487-010							1	1
DEVELOPER	976.681-010				3				3
PRINTER OPERATOR	976.682-014				1				1
BOOKBINDER	977.381-010				1				1
GRAPHIC ARTS TEC	979.382-018				1				1
***TOTALS		16			12			4	32

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A N A L Y S I S I N F O R M A T I O N

[0] STATEWIDE MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: PRINTING, GRAPHIC ARTS, AND PHOTOGRAPHY CLUSTER CODE GX04

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
556.685-066	PRESS TENDER	0	0	1	0.0	N.A.
650.582-010	LINOTYPE OPERATOR	0	1	0	--	N.A.
659.662-010	PRINTER-SLOTTER OPERATOR	0	1	0	--	N.A.
976.487-010	PHOTOGRAPH FINISHER	0	9	0	--	N.A.
976.682-014	PRINTER OPERATOR, BLACK-&	0	1	2	2.0	N.A.

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D E M A N D R E P O R T

[0] STATEWIDE

CLUSTER TITLE: MASS COMMUNICATIONS

MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE GX05

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
REPORTERS & CORRESPONDENTS	22834011	208	217	2	7	9
BROADCAST NEWS ANALYSTS	22834014	59	65	1	1	2
ANNOUNCERS	22834017	438	440	0	5	5
BROADCAST TECHNICIANS	22834028	83	73	-1	1	0
TOTALS		788	795	2	14	16

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MONTANA OCCUPATIONAL INFORMATION SYSTEM
S U P P L Y R E P O R T

[0] STATEWIDE
CLUSTER TITLE: MASS COMMUNICATIONS
SCHOOL YEAR 1984-85 CLUSTER CODE GX05

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
COMMUNICATIONS,	09.0101			20					20
JOURNALISM (MASS	09.0401			20					20
RADIO/TELEVISION	09.0701			13					13
RADIO & TV PRODU	10.0104			66					66
NEWSCASTER	131.267-010				1				1
***TOTALS				119	1				120

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

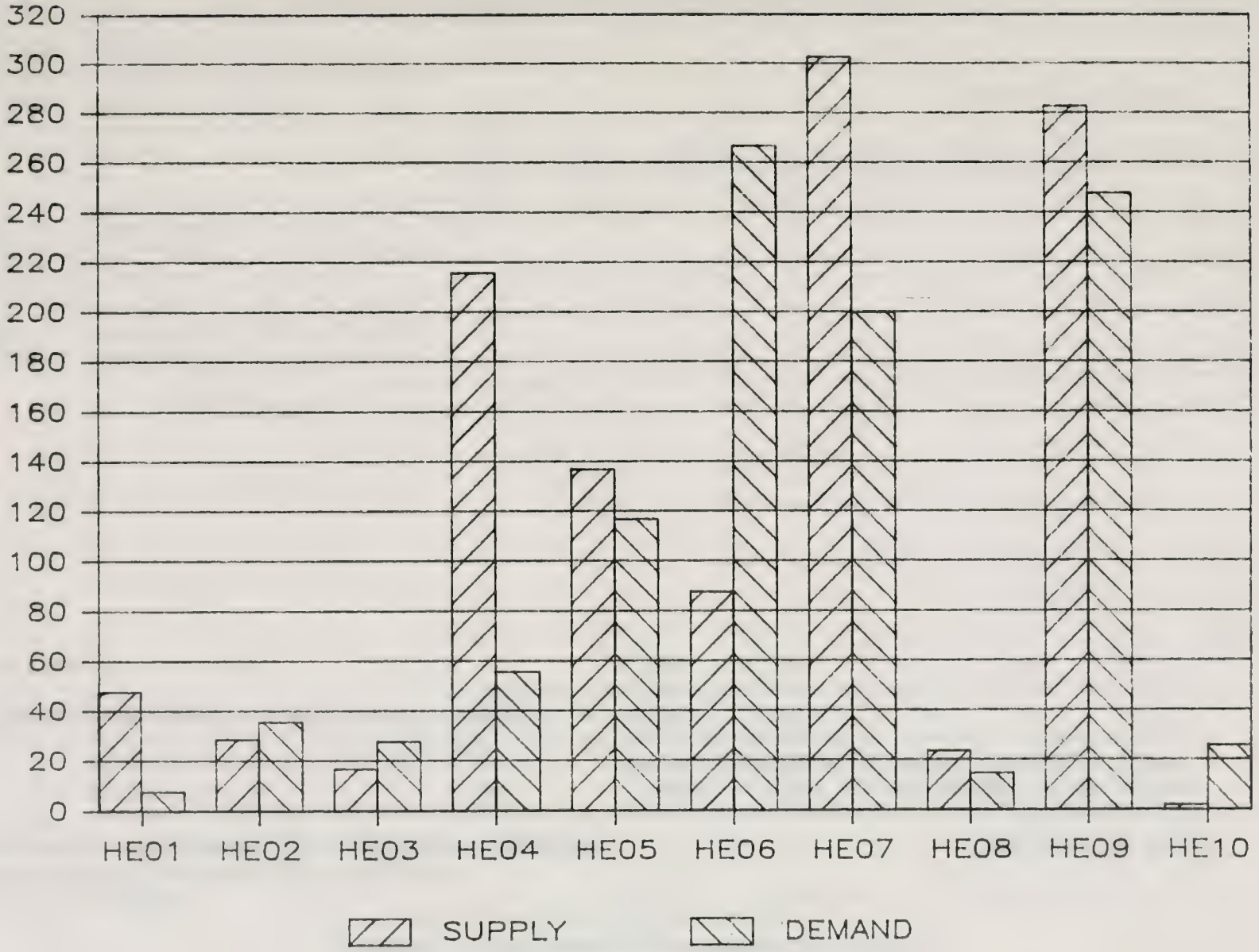
A N A L Y S I S I N F O R M A T I O N

[0] STATEWIDE — MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: MASS COMMUNICATIONS — CLUSTER CODE GX05

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
163.167-014	MANAGER, CIRCULATION	0	8	2	0.3	N.A.

HEALTH


320
300
280
260
240
220
200
180
160
140
120
100
80
60
40
20
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HE01
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HE10
SUPPLY
DEMAND

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

D E M A N D R E P O R T

[0] STATEWIDE

CLUSTER TITLE: MEDICAL RECORDS

MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE HE01

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
MEDICAL RECORDS TECHNICIANS	22732911	125	137	2	6	8
TOTALS		125	137	2	6	8

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S U P P L Y R E P O R T

[0] STATEWIDE

CLUSTER TITLE: MEDICAL RECORDS

SCHOOL YEAR 1984-85 CLUSTER CODE HE01

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPRIETARY	VOC REHAB	TOTAL *****
MEDICAL SECRETAR	07.0605		22	8					30
MEDICAL-RECORD A	079.167-014							1	1
MEDICAL RECORDS	18.0703			7					7
MEDICAL SECRETAR	201.362-014							6	6
HOSPITAL-ADMITTI	205.362-018				1			1	2
MEDICAL-RECORD C	245.362-010				1			1	2
***TOTALS			22	15	2			9	48

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[0] STATEWIDE — MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: MEDICAL RECORDS — CLUSTER CODE HE01

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
201.362-014	MEDICAL SECRETARY	0	87	22	0.3	N.A.
205.362-018	HOSPITAL-ADMITTING CLERK	0	23	14	0.6	N.A.
245.362-014	WARD CLERK	0	34	10	0.3	N.A.

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

D E M A N D R E P O R T

[0] STATEWIDE

CLUSTER TITLE: DENTAL ASSISTING

MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE HE02

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
DENTAL ASSISTANTS	55666002	517	595	13	20	33
PRECISION DENTAL LABORATORY	77489921	48	53	1	2	3
TOTALS		565	648	14	22	36

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[0] STATEWIDE

CLUSTER TITLE: DENTAL ASSISTING

SCHOOL YEAR 1984-85 CLUSTER CODE HE02

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPRIETARY	VOC REHAB	TOTAL *****
DENTAL ASSISTANT	079.371-010							3	3
DENTAL ASSISTING	17.0101		26						26
***TOTALS			26					3	29

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[0] STATEWIDE — MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: DENTAL ASSISTING — CLUSTER CODE HE02

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
079.371-010	DENTAL ASSISTANT	0	165	44	0.3	N.A.

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D E M A N D R E P O R T

[0] STATEWIDE

CLUSTER TITLE: DENTAL HYGIENE

MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE HE03

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
DENTISTS	22732105	249	287	6	5	11
DENTAL HYGIENISTS	22732908	260	301	7	10	17
TOTALS		509	588	13	15	28

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[0] STATEWIDE

CLUSTER TITLE: DENTAL HYGIENE

SCHOOL YEAR 1984-85 CLUSTER CODE HE03

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPRIETARY	VOC REHAB	TOTAL *****
DENTAL HYGIENIST	078.361-010							1	1
DENTAL HYGIENE	17.0102			16					16
***TOTALS				16				1	17

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[0] STATEWIDE — MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: DENTAL HYGIENE — CLUSTER CODE HE03

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
072.101-010	DENTIST	0	1	0	--	N.A.
078.361-010	DENTAL HYGIENIST	0	17	7	0.4	N.A.

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D E M A N D R E P O R T

[0] STATEWIDE

CLUSTER TITLE: MEDICAL LABORATORY

MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE HE04

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
BIOLOGICAL SCIENTISTS	22224308	259	273	2	6	8
MEDICAL SCIENTISTS	22224311	21	22	0	0	0
LIFE SCIENTISTS (NO DETAIL)	22224399	129	134	1	4	5
PHYS/LIFE SCI. TECHN. (NO D	22224599	506	533	5	9	14
MED./CLINICAL LAB. TECHNOLO	22732902	482	501	3	14	17
MED./CLINICAL LAB. TECHNICI	22732905	147	176	5	5	10
ELECTROENCEPHALOGRAPH TECHN	22732923	19	20	0	1	1
ELECTROCARDIOGRAPH TECHNICI	22732926	54	56	0	1	1
TOTALS		1617	1715	16	40	56

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[0] STATEWIDE

CLUSTER TITLE: MEDICAL LABORATORY

SCHOOL YEAR 1984-85 CLUSTER CODE HE04

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPRIETARY	VOC REHAB	TOTAL *****
BIOLOGIST	041.061-030							3	3
HISTOPATHOLOGIST	041.061-054							1	1
MEDICAL TECHNOLO	078.361-014							1	1
NUCLEAR MEDICAL	078.361-018							1	1
MEDICAL-LABORATO	078.381-014							2	2
MEDICAL LABORATO	17.0309						9		9
MEDICAL TECHNOLO	17.0310			18					18
BIOLOGY, GENERAL	26.0101			117					117
BIOCHEMISTRY AND	26.0201			1					1
MICROBIOLOGY	26.0501			62					62
STERILIZER (AUTO	599.585-010							1	1
***TOTALS				198			9	9	216

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[0] STATEWIDE — MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: MEDICAL LABORATORY — CLUSTER CODE HE04

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
041.061-030	BIOLOGIST	0	61	11	0.2	N.A.
078.361-014	MEDICAL TECHNOLOGIST	0	41	4	0.1	N.A.
078.381-014	MEDICAL-LABORATORY TECHNI	0	33	0	--	N.A.

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D E M A N D R E P O R T

[0] STATEWIDE

CLUSTER TITLE: LPN AND SURGICAL TECHNICIAN

MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE HE05

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
LICENSED PRACTICAL NURSES	22732505	1780	1964	31	80	111
SURGICAL TECHNICIANS	22732928	178	184	1	5	6
TOTALS		1958	2148	32	85	117

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[0] STATEWIDE
CLUSTER TITLE: LPN AND SURGICAL TECHNICIAN
SCHOOL YEAR 1984-85 CLUSTER CODE HE05

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
NURSE, LICENSED	079.374-014				1			7	8
SURGICAL TECHNIC	079.374-022							1	1
SURGICAL TECHNOL	17.0211		15						15
PRACTICAL NURSIN	17.0605		112						112
NURSE, PRACTICAL	354.374-010							1	1
***TOTALS			127		1			9	137

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[0] STATEWIDE — MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: LPN AND SURGICAL TECHNICIAN — CLUSTER CODE HE05

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
079.374-014	NURSE, LICENSED PRACTICAL	0	375	76	0.2	N.A.
079.374-022	SURGICAL TECHNICIAN	0	18	1	0.1	N.A.
354.374-010	NURSE, PRACTICAL	0	6	0	--	N.A.

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[0] STATEWIDE

CLUSTER TITLE: MEDICAL NURSING ASSISTANT

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE HE06

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
MEDICAL ASSISTANTS	55666005	176	206	5	7	12
NURSING AIDES, ORDERLIES	55666008	3855	4374	87	153	240
PSYCHIATRIC AIDES	55666014	311	330	3	12	15
TOTALS		4342	4910	95	172	267

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[0] STATEWIDE

CLUSTER TITLE: MEDICAL NURSING ASSISTANT

SCHOOL YEAR 1984-85 CLUSTER CODE HE06

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
INSTRUCTOR, PSYC	075.127-010							1	1
MEDICAL ASSISTAN	079.367-010							1	1
NURSING ASSISTIN	17.0602		37						37
COORDINATOR, VOL	187.167-022				2			1	3
COMPANION	309.677-010							1	1
HOME ATTENDANT	354.377-014				2			5	7
PSYCHIATRIC AIDE	355.377-014				5				5
NURSE AIDE	355.674-014				24			7	31
ORDERLY	355.674-018							1	1
HOSPITAL ENTRANC	355.677-014				1				1
***TOTALS			37		34			17	88

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A N A L Y S I S I N F O R M A T I O N

[0] STATEWIDE MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: MEDICAL NURSING ASSISTANT CLUSTER CODE HE06

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
079.367-010	MEDICAL ASSISTANT	0	44	2	0.0	N.A.
309.677-010	COMPANION	0	70	100	1.4	N.A.
355.377-014	PSYCHIATRIC AIDE	0	62	20	0.3	N.A.
355.674-014	NURSE AIDE	0	1459	461	0.3	N.A.
355.674-018	ORDERLY	0	34	3	0.1	N.A.

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D E M A N D R E P O R T

[0] STATEWIDE

CLUSTER TITLE: TREATMENT SERVICES

MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE HE07

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
PSYCHOLOGISTS	22427108	218	244	4	5	9
OPTOMETRISTS	22732108	69	87	3	3	6
RESPIRATORY THERAPISTS	22732302	201	213	2	6	8
OCCUPATIONAL THERAPISTS	22732305	50	58	1	2	3
PHYSICAL THERAPISTS	22732308	115	137	4	4	8
SPEECH PATHOLOGISTS, AUDIOL	22732314	162	171	2	5	7
RECREATION THERAPISTS	22732317	87	105	3	3	6
THERAPISTS (NO DETAIL)	22732399	27	30	1	1	2
DISPENSING & MEASURING OPTI	22732514	212	248	6	7	13
PHARMACISTS	22732517	459	532	12	26	38
DIETITIANS & NUTRITIONISTS	22732521	162	179	3	7	10
DIETETIC TECHNICIANS	22732523	40	48	1	1	2
OTHER HEALTH PROFESSIONALS,	22732999	627	752	21	21	42
PHYSICAL THERAPY ASSISTANTS	55666017	128	146	3	5	8
OCCUPATIONAL THERAPY ASSIST	55666021	24	27	1	1	2
PHARMACY ASSISTANTS	55666026	73	79	1	3	4
HEALTH SERVICE WORKER (NO D	55666099	705	761	9	23	32
TOTALS		3359	3817	77	123	200

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[0] STATEWIDE

CLUSTER TITLE: TREATMENT SERVICES

SCHOOL YEAR 1984-85 CLUSTER CODE HE07

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
PSYCHOLOGIST, ED	045.067-010							1	1
PSYCHOLOGIST, SO	045.067-014							1	1
COUNSELOR	045.107-010				1			29	30
DIRECTOR OF COUN	045.107-018							2	2
PSYCHOLOGIST, CL	045.107-022							2	2
VOCATIONAL-REHAB	045.107-042							3	3
PHARMACIST	074.161-010				1			1	2
SPEECH PATHOLOGI	076.107-010							4	4
PHYSICAL THERAPI	076.121-014							1	1
OCCUPATIONAL THE	076.364-010				1			1	2
RESPIRATORY THER	079.361-010				1			6	7
CHIROPRACTOR ASS	079.364-010				1				1
EDUCATIONAL THER	094.227-010							1	1
TEACHER, HANDICA	094.227-018							1	1
TEACHER, MENTALL	094.227-022				1			2	3
RESPIRATORY THER	17.0210		25						25
MENTAL HEALTH/HU	17.0406			17					17
REHABILITATION C	17.0407			8					8
MENTAL HEALTH/HU	17.0499			11					11
PHYSICAL THERAPY	17.0813			16					16
RESPIRATORY THER	17.0818			2					2
SPEECH-LANGUAGE	18.0103			16					16
PHARMACY	18.1401			23					23
SOCIAL WORKER, M	195.107-030							1	1
SOCIAL WORKER, P	195.107-034							4	4
HUMAN RELATIONS	195.267-014							2	2
PSYCHOLOGY, GENE	42.0101			113					113
PROSTHETICS TECH	712.381-038				1			1	2

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[0] STATEWIDE

CLUSTER TITLE: TREATMENT SERVICES (Continued)

SCHOOL YEAR 1984-85 CLUSTER CODE HE07

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
OPTICIAN	716.280-014				1				1
***TOTALS			25	206	9			63	303

MONTANA OCCUPATIONAL INFORMATION SYSTEM

A N A L Y S I S I N F O R M A T I O N

[0] STATEWIDE — MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: TREATMENT SERVICES — CLUSTER CODE HE07

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
045.107-010	COUNSELOR	0	327	64	0.2	N.A.
074.161-010	PHARMACIST	0	21	7	0.3	N.A.
076.121-010	OCCUPATIONAL THERAPIST	0	6	3	0.5	N.A.
076.121-014	PHYSICAL THERAPIST	0	9	2	0.2	N.A.
076.364-010	OCCUPATIONAL THERAPY ASSI	0	1	0	--	N.A.
077.117-010	DIETITIAN, CHIEF	0	6	2	0.3	N.A.
079.361-010	RESPIRATORY THERAPIST	0	29	2	0.1	N.A.

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[0] STATEWIDE

CLUSTER TITLE: RADIOLOGIC TECHNICIAN

MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE HE08

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
NUCLEAR MED., RADIOLOGIC TE	22732914	155	163	1	5	6
RADIOLOGIC TECHNICIANS	22732921	212	226	2	7	9
TOTALS		367	389	3	12	15

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[0] STATEWIDE
CLUSTER TITLE: RADIOLOGIC TECHNICIAN
SCHOOL YEAR 1984-85 CLUSTER CODE HE08

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
RADIOLOGIC TECHN	078.362-026							2	2
RADIOLOGIC (MEDI	17.0209						22		22
***TOTALS							22	2	24

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D E M A N D R E P O R T

[0] STATEWIDE

CLUSTER TITLE: REGISTERED NURSE

MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE HE09

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
REGISTERED NURSES	22732502	4455	4866	69	179	248
TOTALS		4455	4866	69	179	248

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[0] STATEWIDE

CLUSTER TITLE: REGISTERED NURSE

SCHOOL YEAR 1984-85 CLUSTER CODE HE09

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPRIETARY	VOC REHAB	TOTAL *****
NURSE, STAFF, CO	075.124-014							1	1
NURSE, GENERAL D	075.374-010							11	11
NURSING, GENERAL	18.1101			271					271
***TOTALS				271				12	283

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[0] STATEWIDE — MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: REGISTERED NURSE — CLUSTER CODE HE09

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
075.374-010	NURSE, GENERAL DUTY	0	317	99	0.3	N.A.

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[0] STATEWIDE
CLUSTER TITLE: PHYSICIAN
MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE HE10

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
PHYSICIANS & SURGEONS	22732102	639	711	12	9	21
PODIATRISTS	22732111	6	8	0	0	0
PHYSICIAN'S ASSISTANTS	22732511	102	115	2	3	5
TOTALS		747	834	14	12	26

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[0] STATEWIDE

CLUSTER TITLE: PHYSICIAN

SCHOOL YEAR 1984-85 CLUSTER CODE HE10

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPRIETARY	VOC REHAB	TOTAL *****
PHYSICIAN ASSIST	079.364-018							1	1
PRE-MEDICINE	18.1801			1					1
***TOTALS				1				1	2

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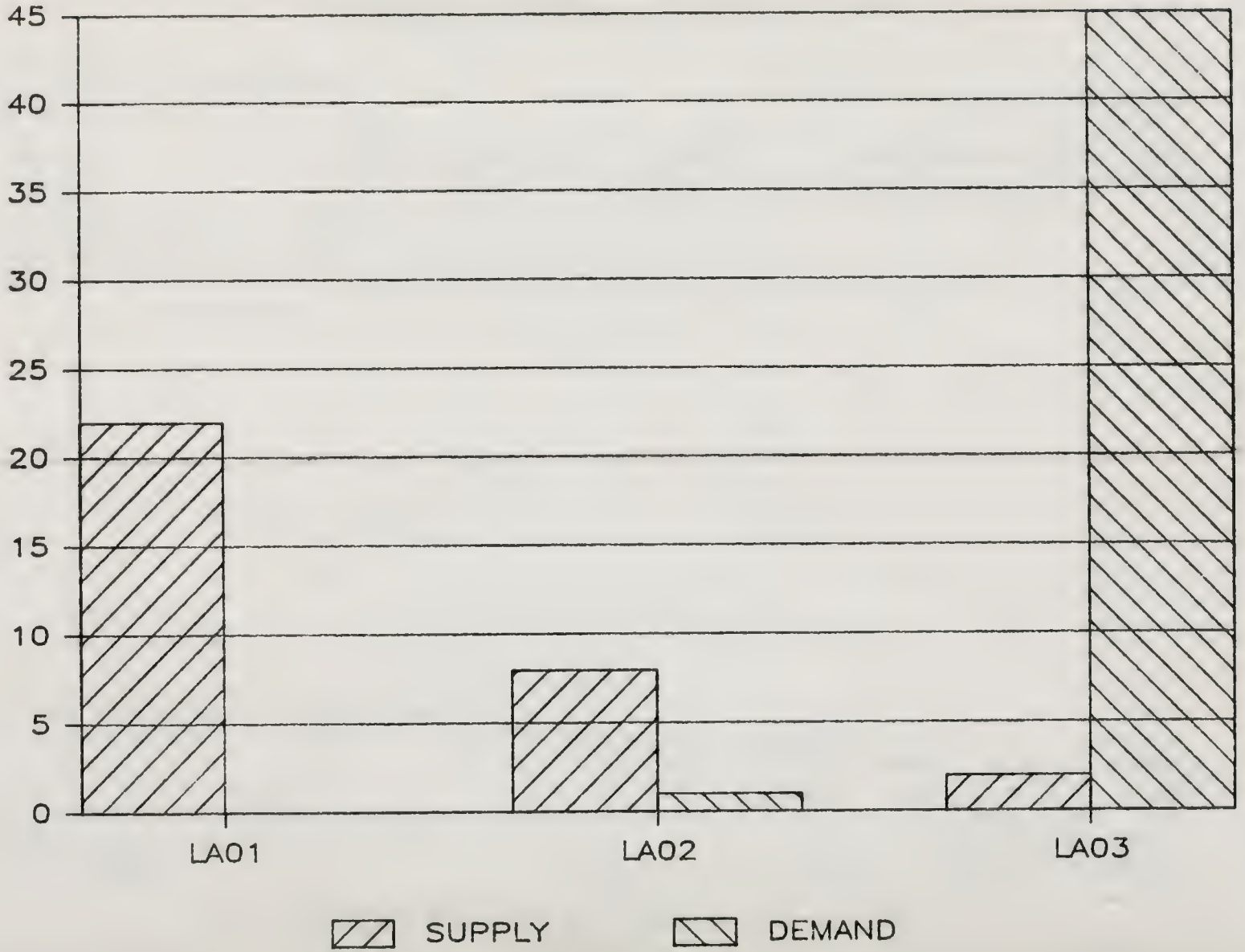
[0] STATEWIDE — MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: PHYSICIAN — CLUSTER CODE HE10

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
070.101-022	GENERAL PRACTITIONER	0	1	0	--	N.A.

LIBERAL ARTS & LANGUAGES



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[0] STATEWIDE

CLUSTER TITLE: LIBERAL ARTS AND FOREIGN LANGUAGES

SCHOOL YEAR 1984-85 CLUSTER CODE LA01

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPRIETARY	VOC REHAB	TOTAL *****
FOREIGN LANGUAGE	16.0101			4					4
RUSSIAN	16.0402			2					2
GERMAN	16.0501			2					2
FRENCH	16.0901			8					8
SPANISH	16.0905			6					6
***TOTALS				22					22

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

D E M A N D R E P O R T

[0] STATEWIDE

CLUSTER TITLE: HISTORY AND PHILOSOPHY

MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE LA02

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
CURATORS, ARCHIVISTS, MUSEU	22631511	9	15	1	0	1
TOTALS		9	15	1	0	1

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

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[0] STATEWIDE

CLUSTER TITLE: HISTORY AND PHILOSOPHY

SCHOOL YEAR 1984-85 CLUSTER CODE LA02

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPRIETARY	VOC REHAB	TOTAL *****
AMERICAN INDIAN	05.0202			5					5
POLITICAL SCIENT	051.067-010							1	1
HISTORIAN	052.067-022							1	1
SOCIOLOGIST	054.067-014							1	1
***TOTALS				5				3	8

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CLUSTER TITLE: LIBRARY ARTS

MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE LA03

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
LIBRARIANS, PROFESSIONAL	22631502	617	614	0	26	26
TECHNICAL ASSISTANTS: LIBRA	22631505	257	264	1	5	6
LIBRARY ASSISTANTS, BOOKMOB	44353902	373	383	2	11	13
TOTALS		1247	1261	3	42	45

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MONTANA OCCUPATIONAL INFORMATION SYSTEM
S U P P L Y R E P O R T

[0] STATEWIDE
CLUSTER TITLE: LIBRARY ARTS
SCHOOL YEAR 1984-85 CLUSTER CODE LA03

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
LIBRARY ASSISTAN	249.367-046							2	2
***TOTALS								2	2

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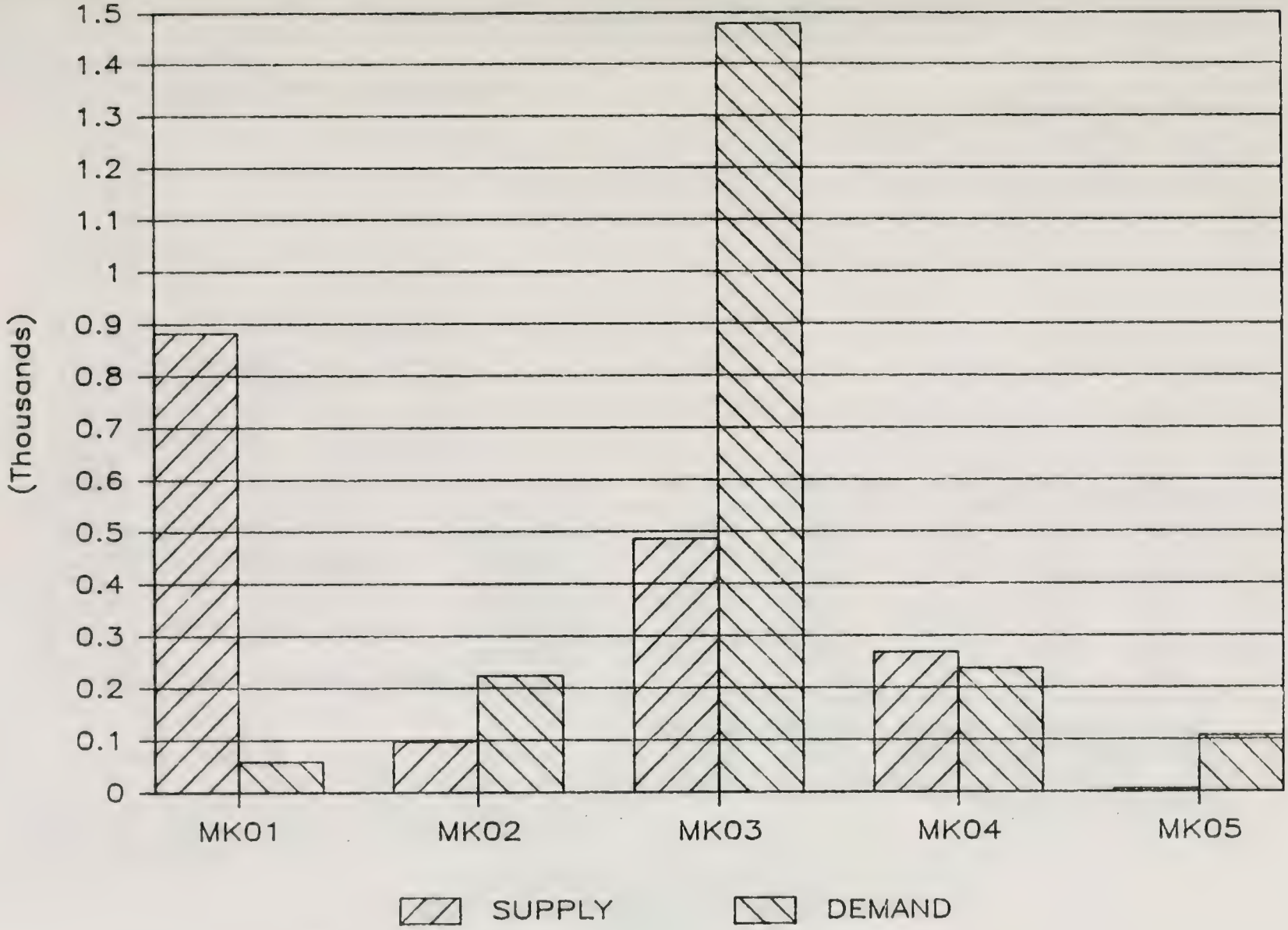
[0] STATEWIDE — MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: LIBRARY ARTS — CLUSTER CODE LA03

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
100.127-014	LIBRARIAN	0	26	13	0.5	N.A.

MARKETING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MK05
SUPPLY
DEMAND

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D E M A N D R E P O R T

[0] STATEWIDE

CLUSTER TITLE: REAL ESTATE MARKETING

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE MK01

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
PROPERTY, REAL ESTATE MANAG	11515011	2	2	0	0	0
ASSESSORS	22021917	298	309	2	24	26
TITLE EXAMINERS & CLERKS	22528306	201	210	2	6	8
BROKERS: REAL ESTATE	33343005	96	102	1	6	7
SALES AGENTS: REAL ESTATE	33343008	93	110	3	6	9
APPRAISERS: REAL ESTATE	33343011	71	75	1	4	5
REAL ESTATE CLERKS	44353914	71	81	2	3	5
TOTALS		832	889	11	49	60

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[0] STATEWIDE

CLUSTER TITLE: REAL ESTATE MARKETING

SCHOOL YEAR 1984-85 CLUSTER CODE MK01

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPRIETARY	VOC REHAB	TOTAL *****
REAL ESTATE	06.1701			10			847		857
TITLE EXAMINER	119.287-010				1				1
CONTRACTOR	182.167-010							3	3
REAL-ESTATE AGEN	186.117-058				1			3	4
APPRAISER	188.167-010				3			3	6
BUSINESS/PROPERT	189.157-010							2	2
RIGHT-OF-WAY AGE	191.117-046							1	1
APPRAISER, REAL	191.267-010							1	1
MORTGAGE-PROCESS	203.382-022							1	1
TITLE SEARCHER	209.367-046				1				1
REAL-ESTATE CLER	219.362-046				2				2
SALES AGENT, REA	250.357-018				1			3	4
***TOTALS				10	9		847	17	883

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

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[0] STATEWIDE

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: REAL ESTATE MARKETING

CLUSTER CODE MK01

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
250.357-018	SALES AGENT, REAL ESTATE	0	65	1	0.0	N.A.

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CLUSTER TITLE: MARKETING MANAGEMENT

MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE MK02

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
FINANCIAL MANAGERS	11313002	2221	2368	25	73	98
MARKETING, ADV.,PUB. REL. M	11313011	649	697	8	27	35
FINANCIAL SPECIALISTS (NO D	22021199	178	186	1	6	7
WHOLESALE & RETAIL BUYERS	22021302	844	900	9	36	45
ECONOMISTS, MARKET ANALYSTS	22427102	66	72	1	2	3
SALES AGENTS: FINANCIAL SER	33343014	332	411	13	15	28
SALES AGENTS: BUSINESS SERV	33343017	218	230	2	7	9
TOTALS		4508	4864	59	166	225

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[0] STATEWIDE

CLUSTER TITLE: MARKETING MANAGEMENT

SCHOOL YEAR 1984-85 CLUSTER CODE MK02

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
FINANCIAL ANALYS	020.167-014							1	1
ECONOMIST	050.067-010							1	1
BUSINESS ECONOMI	06.0501			5					5
MARKETING MANAGE	06.1401		13	12					25
CREDIT OFFICER,	161.267-014							1	1
MANAGER, SALES	163.167-018							2	2
COMMISSARY MANAG	185.167-010							1	1
MANAGER, MERCHAN	185.167-034				1			1	2
MANAGER, RETAIL	185.167-046				3			4	7
BUSINESS MANAGER	186.117-010							3	3
CUSTOMS-HOUSE BR	186.117-018							1	1
LOAN OFFICER	186.267-018							1	1
DIVISION MANAGER	187.167-042							1	1
MANAGER, INDUSTR	189.117-022							3	3
MANAGER, DEPARTM	189.167-022							2	2
BUSINESS MANAGER	191.117-018							10	10
SUPERVISOR, CASH	211.137-010							1	1
SUPERINTENDENT,	250.157-010							1	1
ECONOMICS	45.0601			31					31
***TOTALS			13	48	4			34	99

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CLUSTER TITLE: RETAIL MARKETING AND MANUFACTURING

MONTANA DEPARTMENT OF LABOR AND INDUSTRY — CLUSTER CODE MK03

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
PURCHASING MANAGERS	11313008	754	808	9	25	34
INDUSTRIAL PRODUCTION MANAG	11515014	65	61	0	2	2
PURCHASING AGENTS	22021308	312	321	2	10	12
MERCHANDISE DISPLAYERS	22834044	80	96	3	3	6
SERVICE SALES OCC. (NO DETA	33343099	472	512	7	21	28
SALES PERSONS: RETAIL	33949011	11560	12789	205	495	700
COUNTER & RENTAL CLERKS	33949017	1712	1829	20	62	82
STOCK CLERKS: SALES FLOOR	33949021	2813	3040	38	48	86
SALES & RELATED OCC. (NO DE	33949999	5416	5815	67	295	362
ORDER CLERKS: MATERIALS, SE	44555323	336	377	7	13	20
PROCUREMENT CLERKS	44555326	88	89	0	2	2
PRODUCTION, EXPEDITING CLER	44858008	287	291	1	9	10
WEIGHERS, MEASURERS, CHECKE	44858017	47	50	1	2	3
STOCK CLERKS	44858023	1600	1696	16	46	62
SALES ORDER FILLERS	44858026	439	468	5	7	12
TRAFFIC, SHIPPING CLERKS	44858028	1075	1126	9	33	42
HAND PACKERS & PACKAGERS	77998902	567	558	-1	17	16
TOTALS		27623	29926	389	1090	1479

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[0] STATEWIDE

CLUSTER TITLE: RETAIL MARKETING AND MANUFACTURING

SCHOOL YEAR 1984-85 CLUSTER CODE MK03

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
FASHION MERCHAND	08.0102		4						4
FASHION MODELING	08.0103						68		68
RETAILING	08.0705	175	1						176
BUYER	162.157-018							2	2
FIELD REPRESENTA	163.267-010				1				1
MANAGER, BRANCH	183.117-010							1	1
MANAGER, DISTRIB	185.167-018							1	1
WHOLESALER 1	185.167-070				1				1
PAWNBROKER	191.157-010							1	1
SERVICE REPRESEN	191.167-022							1	1
CREDIT CLERK	205.367-022				1				1
SURVEY WORKER	205.367-054							1	1
STOCK-CONTROL CL	219.367-034				3			1	4
PARTS CLERK	222.367-042				2				2
INVENTORY CLERK	222.387-026							1	1
MATERIAL CLERK	222.387-034				4				4
SHIPPING AND REC	222.387-050				6			1	7
SORTER-PRICER	222.387-054				1				1
STOCK CLERK	222.387-058				9	16		2	27
ORDER CLERK	249.367-054				1				1
PARTS-ORDER-AND-	249.367-058				3				3
SALES AGENT, BUS	251.357-010							1	1
SALES REPRESENTA	253.257-010				1				1
SALES REPRESENTA	254.357-014				1			1	2
SALES REPRESENTA	260.357-014				1			2	3
SALES REPRESENTA	261.357-026							1	1
SALES REPRESENTA	261.357-034				1				1
SALESPERSON, MEN	261.357-050				1				1
SALESPERSON, SHO	261.357-062							1	1

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[0] STATEWIDE

CLUSTER TITLE: RETAIL MARKETING AND MANUFACTURING (Continued)

SCHOOL YEAR 1984-85 CLUSTER CODE MK03

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
SALESPERSON, WOM	261.357-066							2	2
SALESPERSON, COS	262.357-018							1	1
SALES REPRESENTA	269.357-014				1				1
SALES-PROMOTION	269.357-018							1	1
SALES REPRESENTA	270.357-010				1				1
SALESPERSON, FLO	270.357-026				1				1
SALESPERSON, FUR	270.357-030				2				2
SALES REPRESENTA	271.257-010				1				1
SALESPERSON, AUT	273.353-010				1			4	5
SALES REP, MOTOR	273.357-022							1	1
SALESPERSON, AUT	273.357-030				1				1
SALES REPRESENTA	274.357-018							1	1
SALES REPRESENTA	274.357-034							1	1
SALES REP, OILFI	274.357-058							1	1
SALES REPRESENTA	275.257-010							1	1
SALES REP, OFFIC	275.357-034				2				2
SALESPERSON, HEA	276.354-010							1	1
SALES REPRESENTA	277.357-014							1	1
SALES REPRESENTA	277.357-026							1	1
SALESPERSON, BOO	277.357-034							1	1
SALESPERSON, SPO	277.357-058				3				3
SALES EXHIBITOR	279.357-010				1				1
SALES REPRESENTA	279.357-034							1	1
SALESPERSON, GEN	279.357-050				4			1	5
SALESPERSON, GEN	279.357-054				12			5	17
SALESPERSON, PAR	279.357-062				6			2	8
COUPON-REDEMPTIO	290.477-010				1			1	2
SALES CLERK	290.477-014				14			4	18
SALES CLERK, FOO	290.477-018				2			1	3

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CLUSTER TITLE: RETAIL MARKETING AND MANUFACTURING (Continued)

SCHOOL YEAR 1984-85 CLUSTER CODE MK03

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
SALES REPRESENTA	291.357-010							1	1
DRIVER, SALES RO	292.353-010				3			2	5
TELEPHONE SOLICI	299.357-014				3			2	5
WEDDING CONSULTA	299.357-018				1				1
STOCK CLERK, SEL	299.367-014				8			2	10
SUPERVISOR (MINE	570.137-010				1				1
SLITTING-MACHINE	699.587-010							1	1
ASSEMBLER (CUT.	701.687-010							1	1
ASSEMBLER, PRODU	706.687-010							1	1
DIPPER, CLOCK AN	715.687-026							1	1
MOTOR-VEHICLE-LI	729.684-034							1	1
BOW MAKER, CUSTO	732.381-010				1				1
ASSEMBLER (SPORT	732.684-014				37				37
ASSEMBLER, MARKI	733.687-010							1	1
CASKET ASSEMBLER	739.481-010				2				2
ASSEMBLER, AUTOM	806.684-010				1				1
ASSEMBLER, BICYC	806.687-010							1	1
ELECTRONIC-SALES	828.251-010							2	2
PACKAGER, HAND	920.587-018							1	1
PACKAGER, MACHIN	920.685-078				5				5
BAGGER	920.687-014				1			2	3
WAREHOUSE SUPERV	929.137-022				1				1
***TOTALS		175	5		154	16	68	69	487

MONTANA OCCUPATIONAL INFORMATION SYSTEM

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[0] STATEWIDE MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: RETAIL MARKETING AND MANUFACTURING CLUSTER CODE MK03

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
012.167-042	MANUFACTURING ENGINEER	0	1	0	--	N.A.
162.157-038	PURCHASING AGENT	0	88	7	0.1	N.A.
163.167-018	MANAGER, SALES	0	132	6	0.0	N.A.
205.367-054	SURVEY WORKER	0	9	65	7.2	N.A.
221.367-042	MATERIAL EXPEDITER (CLERI	0	5	2	0.4	N.A.
222.387-058	STOCK CLERK	0	495	194	0.4	N.A.
254.357-014	SALES REPRESENTATIVE, ADV	0	43	48	1.1	N.A.
261.357-050	SALESPERSON, MEN'S AND BO	0	17	12	0.7	N.A.
261.357-054	SALESPERSON, MEN'S FURNIS	0	4	1	0.3	N.A.
261.357-062	SALESPERSON, SHOES	0	18	16	0.9	N.A.
261.357-066	SALESPERSON, WOMEN'S APPA	0	47	47	1.0	N.A.
273.353-010	SALESPERSON, AUTOMOBILES	0	112	12	0.1	N.A.
273.357-022	SALES REP, MOTOR VEHICLES	0	15	5	0.3	N.A.
274.357-022	SALES REP, CONSTRUCTION M	0	3	2	0.7	N.A.
275.357-034	SALES REP, OFFICE MACHINE	0	11	11	1.0	N.A.
277.357-034	SALESPERSON, BOOKS	0	17	12	0.7	N.A.
279.357-050	SALESPERSON, GENERAL HARD	0	63	36	0.6	N.A.
279.357-054	SALESPERSON, GENERAL MERC	0	759	277	0.4	N.A.
279.357-062	SALESPERSON, PARTS	0	117	54	0.5	N.A.
290.477-014	SALES CLERK	0	3104	872	0.3	N.A.
290.477-018	SALES CLERK, FOOD	0	148	68	0.5	N.A.
292.353-010	DRIVER, SALES ROUTE	0	229	106	0.5	N.A.
299.357-014	TELEPHONE SOLICITOR	0	126	415	3.3	N.A.
534.662-010	BACK TENDER, PAPER MACHIN	0	22	5	0.2	N.A.
649.380-010	MACHINE SET-UP OPERATOR,	0	1	0	--	N.A.
649.687-010	PAPER SORTER AND COUNTER	0	1	0	--	N.A.
741.684-026	PAINTER, SPRAY	0	8	5	0.6	N.A.
741.687-018	PAINTER, SPRAY INSPECTOR	0	3	3	1.0	N.A.
754.687-010	LABORER, GENERAL (FABRIC,	0	3	0	--	N.A.
920.587-018	PACKAGER, HAND	0	147	132	0.9	N.A.

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[0] STATEWIDE MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: RETAIL MARKETING AND MANUFACTURING (Cont.) CLUSTER CODE MK03

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
920.685-078	PACKAGER, MACHINE	0	14	8	0.6	N.A.
920.687-014	BAGGER	0	291	198	0.7	N.A.
929.687-030	MATERIAL HANDLER	0	3383	8494	2.5	N.A.

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[0] STATEWIDE

CLUSTER TITLE: RECREATION AND TOURISM

MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE MK04

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
FOOD SERVICE & LODGING MANA	11515026	1231	1386	26	49	75
RECREATION WORKERS	22427311	270	306	6	8	14
ATHLETE, COACH, UMPIRE & RE	22834058	98	101	1	3	4
TRAVEL AGENTS	33343021	270	354	14	13	27
TRAVEL CLERKS	44353802	40	43	1	2	3
RESERVATION TICKET AGENTS	44353805	303	389	14	9	23
HOTEL DESK CLERKS	44353808	775	814	7	34	41
AMUSEMENT & RECREATION ATTE	55868014	478	601	21	21	42
GUIDES	55868017	25	35	2	2	4
USHERS & TICKET TAKERS	55868021	104	96	0	2	2
BAGGAGE PORTERS & BELLHOPS	55868023	90	89	0	3	3
TOTALS		3684	4214	92	146	238

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CLUSTER TITLE: RECREATION AND TOURISM

SCHOOL YEAR 1984-85 CLUSTER CODE MK04

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
MANAGER, HOTEL O	187.117-038							1	1
MANAGER, RECREAT	187.117-042							2	2
MANAGER, DUDE RA	187.167-094							1	1
MANAGER, GOLF CL	187.167-114							2	2
PROGRAM AIDE, GR	195.227-010				3			2	5
RECREATION LEADE	195.227-014							3	3
HOTEL CLERK	238.362-010				3			3	6
TICKET AGENT	238.367-026							1	1
PARKS AND RECREA	31.0301			24					24
MANAGER, LODGING	320.137-014				2			3	5
INSPECTOR (HOTEL	321.137-014				1				1
BELL CAPTAIN	324.137-014				1				1
BELLHOP	324.677-010				1				1
SUPERINTENDENT,	329.137-010				1				1
RECREATION-FACIL	341.367-010				1				1
SKI-TOW OPERATOR	341.665-010				1				1
RIDE OPERATOR	342.663-010							1	1
HOST/HOSTESS	352.667-010							2	2
LEISURE & RECREA	36.0199						209		209
LIFEGUARD	379.667-014				1				1
***TOTALS				24	15		209	21	269

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[0] STATEWIDE — MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: RECREATION AND TOURISM — CLUSTER CODE MK04

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
238.362-010	HOTEL CLERK	0	325	189	0.6	N.A.
238.367-026	TICKET AGENT	0	23	14	0.6	N.A.

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[0] STATEWIDE

CLUSTER TITLE: INSURANCE

MONTANA DEPARTMENT OF LABOR AND INDUSTRY — CLUSTER CODE MK05

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
UNDERWRITERS	22021102	168	175	1	7	8
TAX PREPARERS	22021111	196	274	13	8	21
SPECIAL AGENTS, INSURANCE	22021505	132	139	1	5	6
CLAIMS EXAMINERS: INSURANCE	22021921	41	39	0	1	1
ACTUARIES	22325313	18	18	0	0	0
SALES AGENTS: INSURANCE	33343002	724	781	10	25	35
INSURANCE ADJUSTERS/INVESTI	44353302	228	246	3	7	10
INSURANCE APPRAISERS: AUTO	44353305	4	5	0	0	0
INSURANCE EXAMINING CLERKS	44353308	9	9	0	0	0
INSURANCE CLAIMS CLERKS	44353311	131	142	2	5	7
INSURANCE POLICY PROCESS. C	44353314	366	404	6	14	20
TOTALS		2017	2232	36	72	108

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

S U P P L Y R E P O R T

[0] STATEWIDE

CLUSTER TITLE: INSURANCE

SCHOOL YEAR 1984-85 CLUSTER CODE MK05

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPRIETARY	VOC REHAB	TOTAL *****
SAFETY INSPECTOR	168.167-078							1	1
CLAIMS ADJUDICAT	169.267-010				1				1
CLAIM ADJUSTER	241.217-010							2	2
SALES AGENT, INS	250.257-010							2	2
***TOTALS					1			5	6

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

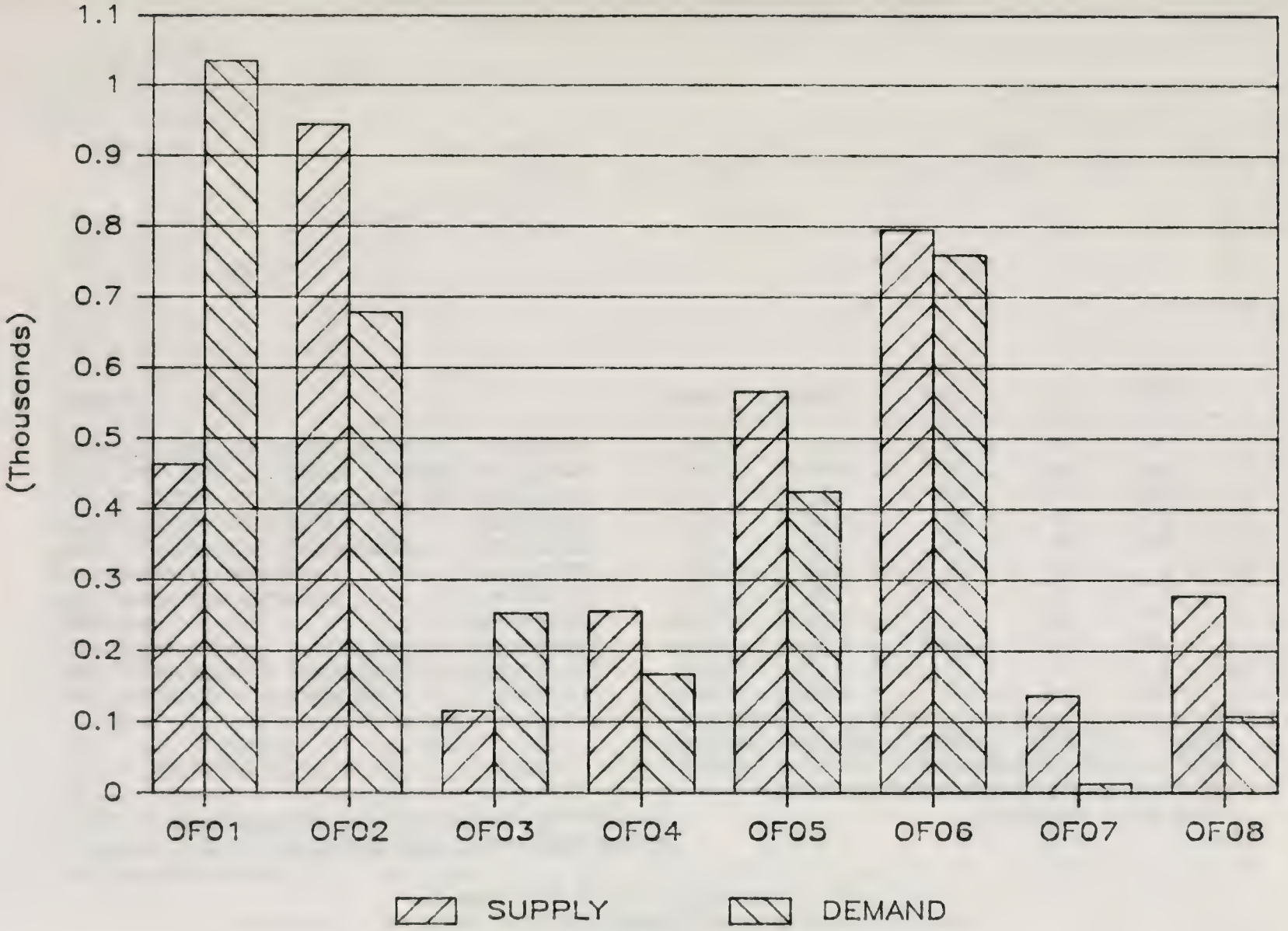
A N A L Y S I S I N F O R M A T I O N

[0] STATEWIDE — MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: INSURANCE — CLUSTER CODE MK05

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
169.167-058	UNDERWRITER	0	17	0	--	N.A.
214.362-022	INSURANCE CLERK	0	16	9	0.6	N.A.
214.482-022	RATER (INSURANCE)	0	21	1	0.0	N.A.
241.217-010	CLAIM ADJUSTER	0	31	8	0.3	N.A.
250.257-010	SALES AGENT, INSURANCE	0	74	32	0.4	N.A.

OFFICE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MONTANA OCCUPATIONAL INFORMATION SYSTEM

D E M A N D R E P O R T

[0] STATEWIDE

CLUSTER TITLE: BOOKKEEPING AND ACCOUNTING

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE OF01

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
ACCOUNTANTS & AUDITORS	22021114	2507	2696	32	87	119
TAX EXAMINERS & COLLECTORS	22021914	167	171	1	6	7
CASHIERS	33949023	6435	7513	180	243	423
TELLERS	44353102	1551	1562	2	48	50
NEW ACCOUNTS CLERKS	44353105	297	296	0	9	9
STATEMENT CLERKS	44353126	169	172	1	6	7
BILL & ACCOUNT COLLECTORS	44353508	247	255	1	9	10
STATISTICAL CLERKS	44555328	107	103	0	4	4
BOOKKEEPING & ACCOUNTING CL	44555338	7323	7737	69	279	348
BILLING, COST & RATE CLERKS	44555344	1071	1119	8	37	45
CALCULATING MACHINE OPERATO	44656002	372	379	1	12	13
TOTALS		20246	22003	295	740	1035

MONTANA OCCUPATIONAL INFORMATION SYSTEM

S U P P L Y R E P O R T

[0] STATEWIDE

CLUSTER TITLE: BOOKKEEPING AND ACCOUNTING

SCHOOL YEAR 1984-85 CLUSTER CODE OF01

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
ACCOUNTING	06.0201			168					168
TAXATION	06.1901						77		77
ACCOUNTING,BOOKE	07.0101		66						66
AUDITOR	160.162-014				1			1	2
ACCOUNTANT	160.167-010				3			25	28
ACCOUNTANT, BUDG	160.167-014							1	1
ACCOUNTANT, COST	160.167-018							1	1
AUDITOR, INTERNA	160.167-034							1	1
ESTIMATOR	160.267-018							1	1
ELIGIBILITY WORK	195.267-010							3	3
CHECKER II (CLER	209.687-010				1			2	3
AUDIT CLERK	210.382-010							3	3
BOOKKEEPER I	210.382-014				13			43	56
BOOKKEEPER 2	210.382-018				4			12	16
BOOKKEEPING-MACH	210.382-022				1				1
BOOKKEEPING-MACH	210.382-026							1	1
GENERAL LEDGER B	210.382-046				2				2
NIGHT AUDITOR	210.382-054				1				1
CASHIER I	211.362-010				3			3	6
TELLER	211.362-018				3				3
CASHIER II	211.462-010				3			1	4
CASHIER CHECKER	211.462-014				12			1	13
MONEY COUNTER	211.467-014							1	1
PAYROLL CLERK	215.482-010				1				1
ACCOUNTING CLERK	216.382-010							1	1
STATISTICAL CLER	216.382-062							1	1
ACCOUNTING CLERK	216.482-010				1			2	3
***TOTALS			66	168	49		77	104	464

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

A N A L Y S I S I N F O R M A T I O N

[0] STATEWIDE MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: BOOKKEEPING AND ACCOUNTING CLUSTER CODE OF01

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
160.162-014	AUDITOR	0	38	32	0.8	N.A.
160.167-010	ACCOUNTANT	0	329	42	0.1	N.A.
160.267-018	ESTIMATOR	0	26	7	0.3	N.A.
191.267-014	CREDIT ANALYST	0	3	2	0.7	N.A.
209.687-010	CHECKER II (CLERICAL)	0	27	14	0.5	N.A.
210.382-010	AUDIT CLERK	0	72	23	0.3	N.A.
210.382-014	BOOKKEEPER I	0	1309	353	0.3	N.A.
210.382-018	BOOKKEEPER 2	0	552	117	0.2	N.A.
210.382-022	BOOKKEEPING-MACHINE OPERA	0	8	5	0.6	N.A.
211.362-010	CASHIER I	0	285	57	0.2	N.A.
211.362-018	TELLER	0	303	73	0.2	N.A.
211.462-010	CASHIER II	0	1550	479	0.3	N.A.
215.482-010	PAYROLL CLERK	0	47	32	0.7	N.A.
216.382-034	COST CLERK	0	4	0	--	N.A.
216.482-010	ACCOUNTING CLERK	0	257	97	0.4	N.A.

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

D E M A N D R E P O R T

[0] STATEWIDE

CLUSTER TITLE: CLERICAL OFFICE PRACTICE

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE OF02

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
COST ESTIMATORS	22021902	294	285	-1	10	9
TRANSIT CLERKS	44353108	86	82	0	3	3
CREDIT AUTHORIZERS	44353114	17	19	0	1	1
CREDIT CHECKERS	44353117	85	90	1	3	4
LOAN & CREDIT CLERKS	44353121	546	577	5	20	25
ADJUSTMENT CLERKS	44353123	261	260	0	9	9
BROKERAGE CLERKS	44353128	28	33	1	1	2
COURT CLERKS	44353702	267	273	1	10	11
MUNICIPAL CLERKS	44353705	163	167	1	7	8
LICENSE CLERKS	44353708	83	85	0	3	3
TYPISTS	44555307	1686	1759	12	55	67
FILE CLERKS	44555321	390	424	6	15	21
PAYROLL & TIMEKEEPING CLERK	44555341	596	620	4	22	26
GENERAL OFFICE CLERKS	44555347	6340	6494	26	229	255
OFFICE MACH. OPERATOR (NO D	44656099	164	173	2	6	8
MAIL CLERKS, EXC. MAIL MACH	44757302	205	208	1	8	9
POSTAL SERVICE CLERKS	44757308	1265	1257	0	34	34
CLERICAL & SUPPORT (NO DETA	44959999	4042	4230	31	153	184
TOTALS		16518	17036	90	589	679

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

S U P P L Y R E P O R T

[0] STATEWIDE

CLUSTER TITLE: CLERICAL OFFICE PRACTICE

SCHOOL YEAR 1984-85 CLUSTER CODE OF02

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
BANKING AND FINA	06.0301			73					73
TYPING, GENERAL	07.0701	581		4					585
CLERK-TYPIST	07.0702		98	16					114
ADMINISTRATIVE A	169.167-010							6	6
SHORTHAND REPORT	202.362-010							1	1
CLERK-TYPIST	203.362-010				10	61		9	80
TRANSCRIBING-MAC	203.582-058				1			4	5
TYPIST	203.582-066				2			1	3
FILE CLERK I	206.362-010							1	1
CLASSIFICATION C	206.387-010				1				1
COMPILER	209.387-014							1	1
CLERK GENERAL	209.562-010				11			17	28
ADMINISTRATIVE C	219.362-010				29			8	37
ATTENDANCE CLERK	219.362-014				1				1
GRAIN ELEVATOR C	222.567-010							1	1
RECEIVING CHECKE	222.687-018				1				1
OFFICE HELPER	239.567-010				1			2	3
LOAN INTERVIEWER	241.367-018							2	2
TOOL-AND-EQUIPME	295.357-014				1			1	2
***TOTALS		581	98	93	58	61		54	945

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

A N A L Y S I S I N F O R M A T I O N

[0] STATEWIDE MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: CLERICAL OFFICE PRACTICE CLUSTER CODE OF02

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
169.167-010	ADMINISTRATIVE ASSISTANT	0	473	121	0.3	N.A.
203.362-010	CLERK-TYPIST	0	751	429	0.6	N.A.
203.582-062	TYPESETTER-PERFORATOR OPE	0	6	1	0.2	N.A.
203.582-066	TYPIST	0	39	65	1.7	N.A.
206.362-010	FILE CLERK I	0	86	37	0.4	N.A.
206.367-014	FILE CLERK II	0	6	1	0.2	N.A.
208.462-010	MAILING-MACHINE OPERATOR	0	2	1	0.5	N.A.
209.387-010	CODING CLERK	0	4	3	0.8	N.A.
209.562-010	CLERK GENERAL	0	2786	1372	0.5	N.A.
209.687-014	MAIL HANDLER	0	6	2	0.3	N.A.
209.687-022	SORTER	0	0	2	0.0	N.A.
214.382-014	BILLING TYPIST	0	11	2	0.2	N.A.
217.382-010	PROOF-MACHINE OPERATOR	0	36	8	0.2	N.A.
219.362-010	ADMINISTRATIVE CLERK	0	1911	874	0.5	N.A.
920.687-126	MARKER II	0	0	3	0.0	N.A.

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

D E M A N D R E P O R T

[0] STATEWIDE

CLUSTER TITLE: COMMUNICATIONS

MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE OF03

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
RECEPTIONISTS, INFORMATION	44555305	1994	2371	63	83	146
UTILITIES CUSTOMER SERVICE	44555335	256	254	0	8	8
SWITCHBOARD OPERATORS	44757102	624	673	8	26	34
DIRECTORY ASSISTANCE OPERAT	44757105	31	28	0	1	1
CENTRAL OFFICE OPERATORS	44757108	205	173	-4	7	3
TELEGRAPH & TELETYPE OPERAT	44757111	46	40	0	2	2
POSTAL MAIL CARRIERS	44757305	1451	1509	10	33	43
MESSENGERS	44757311	55	55	0	4	4
DISPATCHERS, OTHER	44858005	318	337	3	10	13
TOTALS		4980	5440	80	174	254

MONTANA OCCUPATIONAL INFORMATION SYSTEM

S U P P L Y R E P O R T

[0] STATEWIDE

CLUSTER TITLE: COMMUNICATIONS

SCHOOL YEAR 1984-85 CLUSTER CODE OF03

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPRIETARY	VOC REHAB	TOTAL *****
RECEPTIONIST & C	07.0707		8						8
RADIO/TELEVISION	09.0601	3							3
RADIO/TELEVISION	09.0701						44		44
ANNOUNCER	159.147-010				2			7	9
DISK JOCKEY	159.147-014							1	1
DIRECTOR, COMMUN	187.117-014				1				1
POSTMASTER	188.167-066							1	1
BRAILLE OPERATOR	203.582-010				1				1
REHABILITATION C	205.367-046				2				2
MAIL CLERK	209.587-026							2	2
COLLECTION CLERK	216.362-014				1				1
CONTRACT CLERK,	219.362-026							1	1
CENTRAL-OFFICE O	235.462-010							1	1
CLERK, ROUTE	235.562-010							1	1
TELEPHONE-ANSWER	235.662-026							1	1
APPOINTMENT CLER	237.367-010							1	1
INFORMATION CLER	237.367-022							1	1
RECEPTIONIST	237.367-038				15			7	22
DISPATCHER, MAIN	239.367-014				1				1
COLLECTOR	241.367-010				1				1
COURT CLERK	243.362-010				1				1
POST-OFFICE CLER	243.367-014							2	2
CARGO AGENT	248.367-018				2				2
DISPATCHER, MOTO	249.167-014							1	1
POLICYHOLDER INF	249.262-010							1	1
COUNTER CLERK	249.362-010							1	1
FILM-RENTAL CLER	295.367-018				2				2
CUSTOMER-SERVICE	299.367-010				1				1
BARKER	342.657-010				1				1

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

S U P P L Y R E P O R T

[0] STATEWIDE

CLUSTER TITLE: COMMUNICATIONS (Continued)

SCHOOL YEAR 1984-85 CLUSTER CODE OF03

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
DISPATCHER, TRAF	919.162-010							1	1
	***TOTALS	3	8	31			44	30	116

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

A N A L Y S I S I N F O R M A T I O N

[0] STATEWIDE — MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: COMMUNICATIONS — CLUSTER CODE OF03

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
209.587-026	MAIL CLERK	0	55	53	1.0	N.A.
235.462-010	CENTRAL-OFFICE OPERATOR	0	42	10	0.2	N.A.
235.662-022	TELEPHONE OPERATOR	0	107	81	0.8	N.A.
235.662-026	TELEPHONE-ANSWERING SERVI	0	3	12	4.0	N.A.
237.367-010	APPOINTMENT CLERK	0	12	21	1.8	N.A.
237.367-022	INFORMATION CLERK	0	7	6	0.9	N.A.
237.367-038	RECEPTIONIST	0	1208	378	0.3	N.A.
241.357-010	COLLECTION CLERK	0	17	20	1.2	N.A.
247.367-010	CLASSIFIED-AD CLERK	0	3	1	0.3	N.A.
249.167-014	DISPATCHER, MOTOR VEHICLE	0	17	4	0.2	N.A.
912.367-014	TRANSPORTATION AGENT	0	3	0	--	N.A.
952.362-038	SWITCHBOARD OPERATOR	0	11	1	0.1	N.A.

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

D E M A N D R E P O R T

[0] STATEWIDE

CLUSTER TITLE: PERSONNEL, LABOR RELATIONS, AND LAW

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE OF04

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
PERSONNEL, TRAINING, LABOR	11313005	191	205	2	6	8
CLAIMS TAKERS, UNEMPLOY. BE	22021502	99	103	1	3	4
EMPLOYMENT INTERVIEWERS	22021508	177	243	11	5	16
PERSONNEL, LABOR REL. SPECI	22021511	580	594	2	17	19
COMPLIANCE OFFICERS & INSPE	22021911	371	384	2	13	15
JUDGES, MAGISTRATES, ADJUDI	22528101	241	248	1	8	9
LAWYERS	22528108	916	1018	17	48	65
LAW CLERKS	22528302	96	102	1	5	6
PARALEGAL PERSONNEL	22528305	143	187	7	8	15
LEGAL OCCUPATIONS (NO DETAI	22528399	21	21	0	1	1
PERSONNEL CLERKS, EXCEPT PA	44555314	224	228	1	9	10
TOTALS		3059	3333	45	123	168

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

S U P P L Y R E P O R T

[0] STATEWIDE

CLUSTER TITLE: PERSONNEL, LABOR RELATIONS, AND LAW

SCHOOL YEAR 1984-85 CLUSTER CODE OF04

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
COUNSELOR, NURSE	045.107-014				1			1	2
HUMAN RESOURCES	06.0601			13					13
LEGAL SECRETARIA	07.0604		24	5					29
JUDGE	110.107-010							9	9
LAWYER, ADMIRALT	110.117-018							1	1
LAWYER, CORPORAT	110.117-022							11	11
LEGAL INVESTIGAT	119.267-022							1	1
PARALEGAL ASSIST	119.267-026							3	3
MANAGER, PERSONN	166.117-018							2	2
TRAINING REPRESE	166.227-010							1	1
INVESTIGATOR	168.267-062							1	1
ARBITRATOR	169.107-010							1	1
BUSINESS REPRESE	187.167-018							1	1
LEGAL SECRETARY	201.362-010				2			5	7
PERSONNEL CLERK	209.362-026				1				1
LAW	22.0101			75					75
LEGAL ASSISTING	22.0103			13					13
INTERNATIONAL RE	45.0901			2					2
POLITICAL SCIENC	45.1001			84					84
***TOTALS			24	192	4			37	257

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

A N A L Y S I S I N F O R M A T I O N

[0] STATEWIDE MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: PERSONNEL, LABOR RELATIONS, AND LAW CLUSTER CODE OF04

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
110.107-010	JUDGE	0	54	30	0.6	N.A.
166.267-018	JOB ANALYST	0	6	0	--	N.A.
201.362-010	LEGAL SECRETARY	0	259	150	0.6	N.A.
205.362-014	EMPLOYMENT CLERK	0	8	17	2.1	N.A.

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

D E M A N D R E P O R T

[0] STATEWIDE

CLUSTER TITLE: SECRETARIAL OFFICE PRACTICE

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE OF05

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
SECRETARIES	44555101	7933	8858	154	266	420
STENOGRAPHERS	44555302	324	283	-6	12	6
TOTALS		8257	9141	148	278	426

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

S U P P L Y R E P O R T

[0] STATEWIDE

CLUSTER TITLE: SECRETARIAL OFFICE PRACTICE

SCHOOL YEAR 1984-85 CLUSTER CODE OF05

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
SECRETARIAL & RE	07.0601	454		38					492
SECRETARIAL	07.0606		12	1					13
STENOGRAPHIC	07.0607		1	6					7
SECRETARIAL & RE	07.0699		8						8
ADMINISTRATIVE S	169.167-014				1				1
SOCIAL SECRETARY	201.162-010				1			1	2
SECRETARY	201.362-030				23			20	43
STENOGRAPHER	202.362-014							1	1
***TOTALS		454	21	45	25			22	567

MONTANA OCCUPATIONAL INFORMATION SYSTEM

A N A L Y S I S I N F O R M A T I O N

[0] STATEWIDE MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: SECRETARIAL OFFICE PRACTICE CLUSTER CODE OF05

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
201.362-030	SECRETARY	0	1912	556	0.3	N.A.
202.362-014	STENOGRAPHER	0	25	11	0.4	N.A.

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

D E M A N D R E P O R T

[0] STATEWIDE

CLUSTER TITLE: ADMINISTRATION/OFFICE MANAGEMENT

MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE OF06

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
ADMINISTRATIVE SERVICES MAN	11313014	344	368	4	11	15
POSTMASTERS, MAIL SUPERINTE	11515002	158	161	1	9	10
EDUCATION ADMINISTRATORS	11515005	934	963	5	30	35
MEDICINE & HEALTH SERV. MGR	11515008	280	312	5	9	14
CONSTRUCTION MANAGERS	11515017	617	589	-4	19	15
COMMUNICATION, TRANSP., UTI	11515023	566	599	6	7	13
PUBLIC ADMINISTRATION EXECU	11919002	821	834	2	26	28
GENERAL MANAGERS & TOP EXEC	11919005	6323	6717	66	207	273
MANAGERS & ADMIN. (NO DETAI	11919999	2041	2113	12	82	94
ALL OTHER MANAGEMENT SUPPOR	22021999	1421	1468	8	80	88
PROFESSIONAL/TECHN. (NO DET	22939999	1544	1610	11	40	51
BLUE-COLLAR WORKERS SUPERVI	77081001	3725	3753	5	119	124
TOTALS		18774	19487	121	639	760

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

S U P P L Y R E P O R T

[0] STATEWIDE

CLUSTER TITLE: ADMINISTRATION/OFFICE MANAGEMENT

SCHOOL YEAR 1984-85 CLUSTER CODE OF06

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
BUSINESS AND MAN	06.0101			364					364
BUSINESS ADMINIS	06.0401			357					357
BUSINESS ADMINIS	06.0499			11					11
TRANSPORTATION M	06.0705			2					2
INSTITUTIONAL MA	06.0799			4					4
INTERNATIONAL BU	06.0901			3					3
MANAGER, OFFICE	169.167-034				2			2	4
PROGRAM DIRECTOR	187.117-046							1	1
ECONOMIC DEVELOP	188.117-102				1				1
FOREIGN-SERVICE	188.117-106							1	1
MANAGER, OFFICE	188.167-058							1	1
PRESIDENT (INDUS	189.117-026							1	1
CONSULTANT	189.167-010				1			1	2
MANAGEMENT TRAIN	189.167-018				11			10	21
PROGRAM MANAGER	189.167-030							1	1
ADMINISTRATOR, S	195.117-010							1	1
MANAGEMENT AIDE	195.367-014							1	1
PUBLIC ADMINISTR	44.0401			20					20
***TOTALS				761	15			20	796

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A N A L Y S I S I N F O R M A T I O N

[0] STATEWIDE MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: ADMINISTRATION/OFFICE MANAGEMENT CLUSTER CODE OF06

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
169.167-034	MANAGER, OFFICE	0	477	52	0.1	N.A.
185.167-014	MANAGER, AUTOMOBILE SERVI	0	35	3	0.1	N.A.
185.167-046	MANAGER, RETAIL STORE	0	749	57	0.1	N.A.
187.167-058	MANAGER, BARBER OR BEAUTY	0	4	1	0.3	N.A.
187.167-106	MANAGER, FOOD SERVICE	0	400	35	0.1	N.A.
187.167-154	MANAGER, THEATER	0	15	0	--	N.A.
188.137-010	SUPERVISOR	0	26	14	0.5	N.A.
189.117-022	MANAGER, INDUSTRIAL ORGAN	0	19	1	0.1	N.A.
299.137-010	MANAGER, DEPARTMENT	0	47	1	0.0	N.A.

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

D E M A N D R E P O R T

[0] STATEWIDE

CLUSTER TITLE: KEY ENTRY

MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE OF07

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
DATA ENTRY KEYERS, EXC. COM	44656017	780	709	-11	23	12
DATA ENTRY KEYERS, COMPOSIN	44656021	43	45	0	1	1
TOTALS		823	754	-11	24	13

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

S U P P L Y R E P O R T

[0] STATEWIDE

CLUSTER TITLE: KEY ENTRY

SCHOOL YEAR 1984-85 CLUSTER CODE OF07

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
BUSINESS DATA EN	07.0303		70						70
WORD PROCESSING	07.0801		30						30
SUPERVISOR, WORD	203.137-010							1	1
DATA TYPIST	203.582-022				1			1	2
DATA-CODER OPERA	203.582-026							3	3
KEYPUNCH OPERATO	203.582-030							3	3
MAGNETIC-TAPE-TY	203.582-034				1				1
TERMINAL OPERATO	203.582-054							2	2
COMPUTER OPERATO	213.362-010				8			16	24
COMPUTER-PERIPHE	213.382-010				1				1
***TOTALS			100		11			26	137

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

A N A L Y S I S I N F O R M A T I O N

[0] STATEWIDE — MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: KEY ENTRY — CLUSTER CODE OF07

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
203.582-030	KEYPUNCH OPERATOR	0	158	217	1.4	N.A.
213.362-010	COMPUTER OPERATOR	0	326	65	0.2	N.A.

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D E M A N D R E P O R T

[0] STATEWIDE

CLUSTER TITLE: COMPUTER SCIENCE

MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE OF08

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
SYSTEMS ANALYSTS:DATA PROCE	22325102	340	416	13	4	17
COMPUTER PROGRAMMERS & AIDE	22325104	649	759	18	22	40
PROGRAMMERS: TOOL, NUMERICA	22325111	6	6	0	0	0
COMPUTER OPERATORS, EXC. PE	44656011	812	1021	35	12	47
PERIPHERAL EDP EQUIP. OPERA	44656014	124	127	1	3	4
TOTALS		1931	2329	67	41	108

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

S U P P L Y R E P O R T

[0] STATEWIDE

CLUSTER TITLE: COMPUTER SCIENCE

SCHOOL YEAR 1984-85 CLUSTER CODE OF08

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
SYSTEMS ENGINEER	003.167-062							1	1
TOOL PROGRAMMER,	007.167-018							8	8
SYSTEMS ANALYST,	012.167-066				1			1	2
COMPUTER-APPLICA	020.062-010							2	2
PROGRAMMER, BUSI	020.162-014							1	1
PROGRAMMER, INFO	020.187-010				1			1	2
MANAGEMENT INFOR	06.1201			45					45
BUSINESS COMPUTE	07.0302		34						34
BUSINESS DATA PR	07.0305		9						9
COMPUTER AND INF	11.0101			155					155
COMPUTER PROGRAM	11.0201			10					10
COMPUTER TECHNOL	15.0301			5					5
MANAGER, ELECTRO	169.167-030							1	1
CONTROL CLERK, D	221.382-014							3	3
***TOTALS			43	215	2			18	278

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

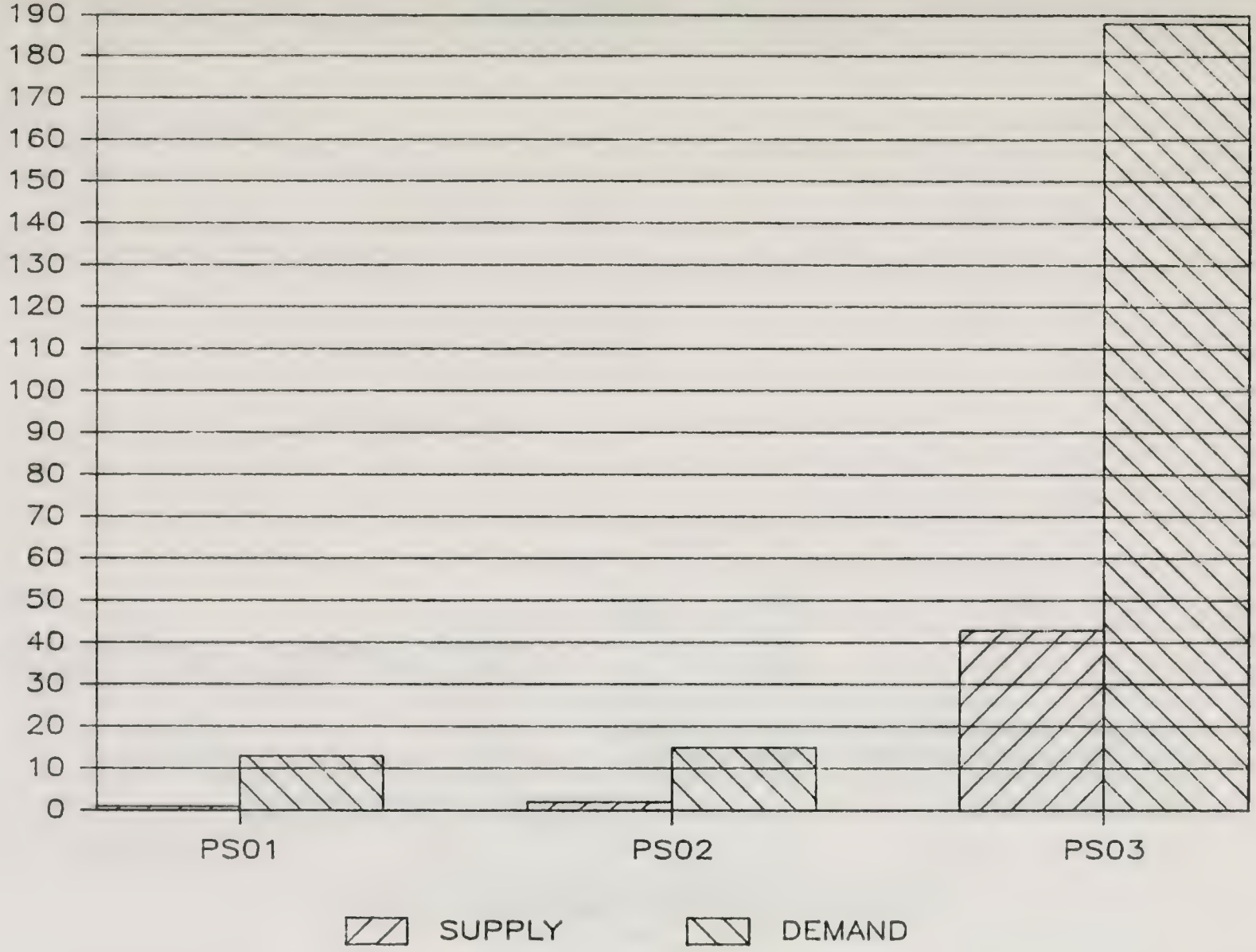
A N A L Y S I S I N F O R M A T I O N

[0] STATEWIDE MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: COMPUTER SCIENCE CLUSTER CODE OF08

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
012.167-066	SYSTEMS ANALYST, ELECTRON	0	67	41	0.6	N.A.
020.162-014	PROGRAMMER, BUSINESS	0	36	1	0.0	N.A.
020.167-022	PROGRAMMER, ENGINEERING &	0	3	1	0.3	N.A.
219.367-026	PROGRAMMER, DETAIL	0	4	3	0.8	N.A.

PUBLIC SERVICE



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MONTANA OCCUPATIONAL INFORMATION SYSTEM

D E M A N D R E P O R T

[0] STATEWIDE

CLUSTER TITLE: EMERGENCY MEDICAL TECHNICIAN

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE PS01

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
EMERGENCY MEDICAL TECHNICIA	22732508	202	213	2	7	9
AMBULANCE DRIVER, ATTENDANT	55666023	69	73	1	3	4
TOTALS		271	286	3	10	13

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MONTANA OCCUPATIONAL INFORMATION SYSTEM
S U P P L Y R E P O R T

[0] STATEWIDE
CLUSTER TITLE: EMERGENCY MEDICAL TECHNICIAN
SCHOOL YEAR 1984-85 CLUSTER CODE PS01

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
EMERGENCY MEDICA	079.374-010				1				1
***TOTALS					1				1

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

D E M A N D R E P O R T

[0] STATEWIDE

CLUSTER TITLE: FIRE AND FIRE SAFETY

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE PS02

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
FIRE FIGHTING SUPERVISORS	55161002	120	123	1	2	3
FIRE INSPECTORS	55363001	14	14	0	0	0
FIRE FIGHTERS	55363008	582	597	3	9	12
TOTALS		716	734	4	11	15

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

S U P P L Y R E P O R T

[0] STATEWIDE

CLUSTER TITLE: FIRE AND FIRE SAFETY

SCHOOL YEAR 1984-85 CLUSTER CODE PS02

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPRIETARY	VOC REHAB	TOTAL *****
FIRE CONTROL & S	43.0201			1					1
FIRE-EQUIPMENT I	739.484-014				1				1
***TOTALS				1	1				2

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A N A L Y S I S I N F O R M A T I O N

[0] STATEWIDE — MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: FIRE AND FIRE SAFETY — CLUSTER CODE PS02

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
373.364-010	FIRE FIGHTER	0	75	286	3.8	N.A.

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

D E M A N D R E P O R T

[0] STATEWIDE

CLUSTER TITLE: POLICE SCIENCE AND CRIMINOLOGY

MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE PS03

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
DISPATCHER: POLICE, FIRE, A	44858002	479	491	2	15	17
POLICE & DETECTIVE SUPERVIS	55161005	238	243	1	4	5
POLICE DETECTIVES	55363009	131	136	1	4	5
POLICE PATROL OFFICERS	55363014	942	970	5	16	21
CORRECTION OFFICERS & JAILE	55363017	368	432	11	31	42
PARKING ENFORCEMENT OFFICER	55363021	55	59	1	1	2
BAILIFFS	55363023	29	29	0	1	1
SHERIFFS, DEPUTIES, US MARS	55363031	728	652	-12	22	10
PRIVATE INVESTIGATOR, DETEC	55363035	69	84	3	2	5
CROSSING GUARDS	55363044	108	108	0	10	10
GUARDS & WATCH GUARDS	55363047	754	846	15	37	52
PROTECTIVE SERVICE (NO DETA	55363099	346	355	2	16	18
TOTALS		4247	4405	29	159	188

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S U P P L Y R E P O R T

[0] STATEWIDE

CLUSTER TITLE: POLICE SCIENCE AND CRIMINOLOGY

SCHOOL YEAR 1984-85 CLUSTER CODE PS03

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
BONDING AGENT (B	186.267-010							1	1
SECURITY OFFICER	189.167-034							3	3
PROBATION OFFICE	195.167-034							4	4
CORRECTION OFFIC	372.667-018				4			1	5
GUARD, SECURITY	372.667-034							1	1
MERCHANT PATROLL	372.667-038				2			2	4
POLICE OFFICER	375.263-014				1				1
INVESTIGATOR, PR	376.267-018							2	2
ANIMAL TREATMENT	379.263-010				2			1	3
DISPATCHER, RADI	379.362-010				2			3	5
CRIMINAL JUSTICE	43.0104			3					3
LAW ENFORCEMENT	43.0107			11					11
***TOTALS				14	11			18	43

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

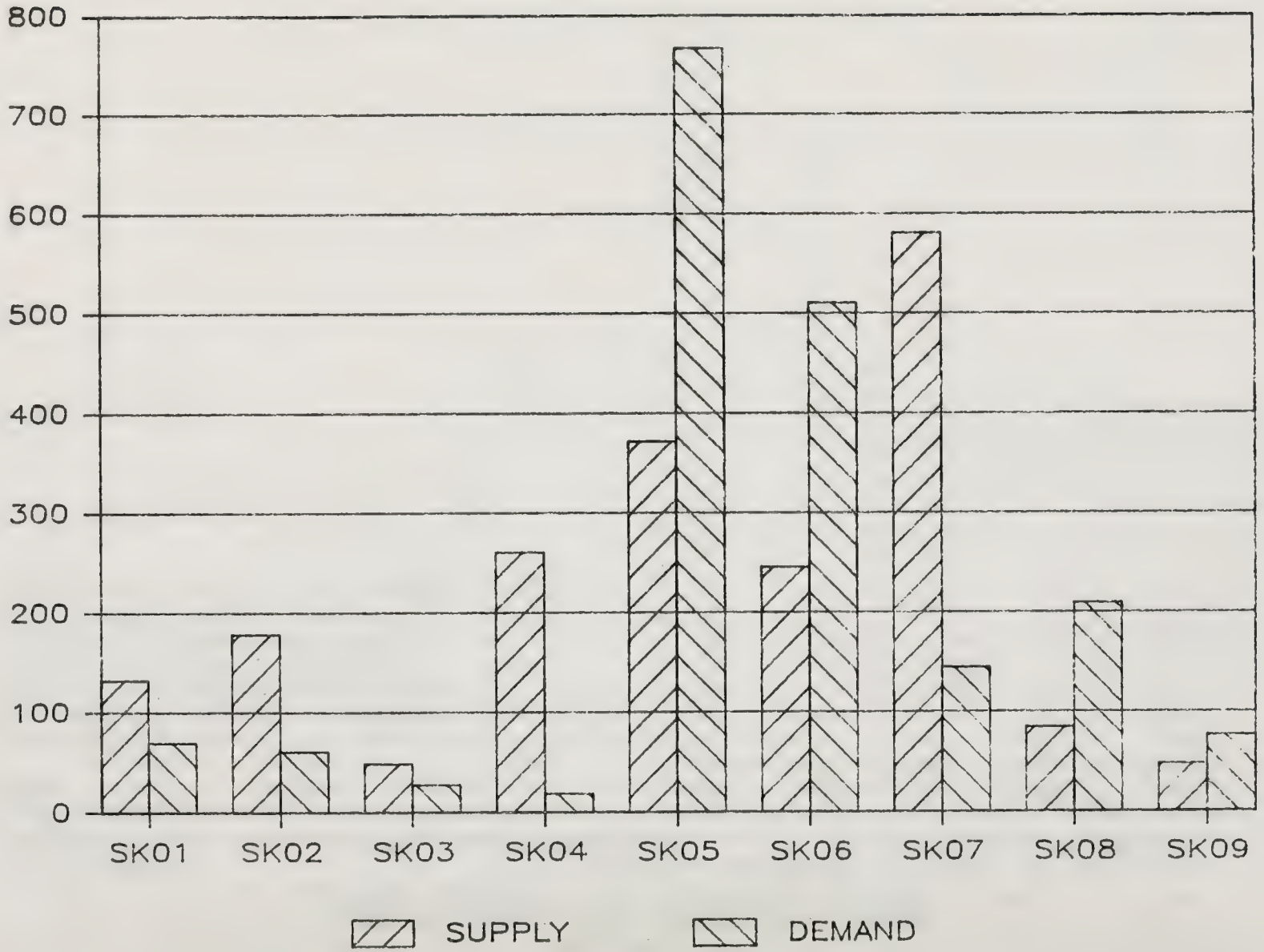
A N A L Y S I S I N F O R M A T I O N

[0] STATEWIDE MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: POLICE SCIENCE AND CRIMINOLOGY CLUSTER CODE PS03

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
189.167-034	SECURITY OFFICER	0	69	7	0.1	N.A.
372.667-018	CORRECTION OFFICER	0	32	49	1.5	N.A.
372.667-034	GUARD, SECURITY	0	141	156	1.1	N.A.
372.667-038	MERCHANT PATROLLER	0	268	98	0.4	N.A.
375.263-014	POLICE OFFICER	0	142	24	0.2	N.A.
375.587-010	PARKING ENFORCEMENT OFFIC	0	4	3	0.8	N.A.

SKILL


800
700
600
500
400
300
200
100
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SK01
SK02
SK03
SK04
SK05
SK06
SK07
SK08
SK09
SUPPLY
DEMAND

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MONTANA OCCUPATIONAL INFORMATION SYSTEM
D E M A N D R E P O R T

[0] STATEWIDE
CLUSTER TITLE: ELECTRICAL
MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE SK01

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
ELECTRICAL & ELECTRONIC TEC	22122505	456	482	4	5	9
METER READERS: UTILITIES	44858014	210	213	1	4	5
CENTRAL OFFICE & PBX INSTAL	77285502	270	229	-6	3	-3
FRAME WIRERS: CENTRAL OFFIC	77285505	19	17	0	0	0
TELEPHONE, CABLE TV INSTALL	77285702	322	313	-1	4	3
HOME ENTERTAINMENT EQ. REPA	77285708	127	137	2	4	6
ELECTRIC MOTOR REPAIRERS	77285714	30	32	0	1	1
ELECTRICAL POWERLINE INSTAL	77285723	562	561	0	7	7
ALL OTHER ELECTRICAL MECHAN	77285799	199	210	2	6	8
ELECTROMED./BIOMEDICAL REPA	77285908	10	10	0	0	0
ELECTRIC METER INSTALLERS	77285911	115	117	0	3	3
COIN & VENDING MACHINE SERV	77285947	71	89	3	2	5
ELECTRICIANS	77387202	1255	1220	-5	24	19
ELECTRICAL, ELECTRONIC ASSE	77693905	71	103	5	2	7
TOTALS		3717	3733	5	65	70

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

S U P P L Y R E P O R T

[0] STATEWIDE

CLUSTER TITLE: ELECTRICAL

SCHOOL YEAR 1984-85 CLUSTER CODE SK01

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPRIETARY	VOC REHAB	TOTAL *****
ELECTRICAL ENGIN	003.061-010							7	7
ELECTRICAL TEST	003.061-014							1	1
ELECTRICAL TECHN	003.161-010							5	5
ELECTRICAL ENGIN	003.167-018							4	4
ENGINEER-IN-CHAR	003.167-030							1	1
ELECTRICAL TECHN	15.0302		10	5					15
APPLIANCE-SERVIC	187.167-010							2	2
LINEWORKER	46.0303						72		72
ELECTRICAL-APPLI	723.381-010							4	4
VACUUM CLEANER R	723.381-014				1				1
APPLIANCE REPAIR	723.584-010				1			1	2
ELECTRICIAN RADI	823.281-014				1				1
ELECTRICIAN	824.261-010							2	2
ELECTRICIAN APPR	824.261-014				1	6			7
ELECTRICIAN	824.681-010							1	1
ELECTRICIAN, AUT	825.281-022							1	1
ELECTRICAL-APPLI	827.261-010				2				2
HOUSEHOLD-APPLIA	827.661-010				1				1
ELECTRICAL REPAI	829.281-014				1			1	2
CABLE SPLICER	829.361-010				1			1	2
***TOTALS			10	5	9	6	72	31	133

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

A N A L Y S I S I N F O R M A T I O N

[0] STATEWIDE — MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: ELECTRICAL — CLUSTER CODE SK01

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
003.061-010	ELECTRICAL ENGINEER	0	27	1	0.0	N.A.
638.261-010	AUTOMATED EQUIPMENT ENGIN	0	5	0	--	N.A.
638.261-022	PINSETTER MECHANIC, AUTOM	0	20	6	0.3	N.A.
639.281-014	COIN-MACHINE-SERVICE REPA	0	11	1	0.1	N.A.
721.281-018	ELECTRIC-MOTOR REPAIRER	0	14	3	0.2	N.A.
721.684-022	ELECTRIC-MOTOR ASSEMBLER	0	5	0	--	N.A.
729.384-010	ASSEMBLER,ELECTRICAL ACCE	0	2	0	--	N.A.
729.687-010	ASSEMBLER, ELECTRICAL ACC	0	9	2	0.2	N.A.
821.361-026	LINE REPAIRER	0	27	6	0.2	N.A.
822.281-014	CENTRAL-OFFICE REPAIRER	0	5	0	--	N.A.
824.261-010	ELECTRICIAN	0	542	35	0.1	N.A.
825.281-018	ELECTRICIAN, AIRPLANE	0	1	0	--	N.A.
826.361-010	ASSEMBLER AND WIRER, INDU	0	1	0	--	N.A.
829.281-014	ELECTRICAL REPAIRER	0	25	6	0.2	N.A.

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

D E M A N D R E P O R T

[0] STATEWIDE

CLUSTER TITLE: ELECTRONIC

MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE SK02

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
ELECTRICAL/ELECTRONIC ENGIN	22122126	310	361	9	5	14
RADIO OPERATORS	22939008	12	12	0	0	0
TECHNICIANS (NO DETAIL)	22939099	123	130	1	4	5
SIGNAL OR SWITCH MAINTAINER	77285511	79	69	-1	3	2
RADIO MECHANICS	77285514	55	55	0	1	1
DATA PROCESSING EQUIP. REPA	77285705	30	55	4	0	4
INDUSTRIAL ELECTRONICS REPA	77285717	436	441	1	14	15
TELEPHONE STATION INSTALLER	77285726	257	239	-2	3	1
OFFICE MACHINE SERVICER	77285926	215	263	8	4	12
ELECTROMECHANICAL EQ. ASSEM	77693111	3	8	1	0	1
PRECISION ASSEMBLERS (NO DE	77693199	50	56	1	1	2
RAILROAD BRAKE, SIGNAL, SWI	77897317	557	506	-8	12	4
TOTALS		2127	2195	14	47	61

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

S U P P L Y R E P O R T

[0] STATEWIDE

CLUSTER TITLE: ELECTRONIC

SCHOOL YEAR 1984-85 CLUSTER CODE SK02

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
ELECTRONICS ENGI	003.061-030							2	2
ELECTRONICS TECH	003.161-014				1			16	17
ELECTRONIC TECHN	15.0303		17	43					60
ELECTRIC,ELECTRO	47.0101		55						55
ELECTRONIC-PRODU	629.281-022							1	1
OFFICE-MACHINE S	633.281-018				1			3	4
PINSETTER MECHAN	638.261-022				2				2
TELEVISION-AND-R	720.281-018				3			2	5
ELECTRONICS ASSE	726.261-010				1				1
ELECTRONICS TEST	726.281-014							1	1
ELECTRONICS INSP	726.381-010							1	1
ELECTRONICS ASSE	726.384-010				7				7
ELECTRONICS ASSE	726.684-018				2				2
ELECTRONICS WORK	726.687-010							1	1
PUBLIC-ADDRESS S	823.261-010							1	1
METEOROLOGICAL-E	823.281-018							4	4
FIELD ENGINEER	828.261-014							1	1
ELECTRONICS MECH	828.281-010				1			11	12
ELECTRONICS-MECH	828.281-014				1				1
EQUIPMENT INSTAL	828.381-010				1				1
***TOTALS			72	43	20			44	179

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

A N A L Y S I S I N F O R M A T I O N

[0] STATEWIDE

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: ELECTRONIC

CLUSTER CODE SK02

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
003.161-014	ELECTRONICS TECHNICIAN	0	145	14	0.1	N.A.
633.281-010	CASH-REGISTER SERVICER	0	2	0	--	N.A.
633.281-018	OFFICE-MACHINE SERVICER	0	22	7	0.3	N.A.
720.281-010	RADIO REPAIRER	0	7	2	0.3	N.A.
720.281.018	TELEVISION-AND-RADIO REPA	0	21	8	0.4	N.A.
726.130-010	SUPERVISOR, ELECTRONICS	0	3	0	--	N.A.
726.261-010	ELECTRONICS ASSEMBLER, DE	0	1	1	1.0	N.A.
726.381-010	ELECTRONICS INSPECTOR 1	0	1	0	--	N.A.
726.384-010	ELECTRONICS ASSEMBLER (IN	0	29	20	0.7	N.A.
726.684-018	ELECTRONICS ASSEMBLER (EL	0	31	12	0.4	N.A.
822.281-018	MAINTENANCE MECHANIC, TEL	0	13	0	--	N.A.
823.261-018	RADIO MECHANIC	0	4	0	--	N.A.
828.281-010	ELECTRONICS MECHANIC	0	133	25	0.2	N.A.

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D E M A N D R E P O R T

[0] STATEWIDE
CLUSTER TITLE: AIR CONDITIONING, REFRIGERATION, AND HEATING
MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE SK03

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
HOME APPLIANCE, TOOLS REPAI	77285709	332	349	3	11	14
HEATING, A.C., REFRIGERATIO	77285902	459	462	1	11	12
PRECISION INSTRUMENT REPAIR	77285905	87	87	0	2	2
TOTALS		878	898	4	24	28

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[0] STATEWIDE

CLUSTER TITLE: AIR CONDITIONING, REFRIGERATION, AND HEATING

SCHOOL YEAR 1984-85 CLUSTER CODE SK03

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
HEATING,A/C, & R	47.0201		38						38
AIR-CONDITIONING	620.281-010							2	2
ENVIRON.-CONTROL	637.261-014				1			3	4
REFRIGERATION ME	637.261-026							1	1
WATER-SOFTENER S	862.684-034				2				2
FURNACE INSTALLE	869.281-010				1				1
LAWN-SPRINKLER I	869.684-030				1				1
***TOTALS			38		5			6	49

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[0] STATEWIDE MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: AIR CONDITIONING, REFRIGERATION, AND HEATING CLUSTER CODE SK03

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
620.281-010	AIR-CONDITIONING MECHANIC	0	21	4	0.2	N.A.
637.261-014	ENVIRON.-CONTROL-SYST-INS	0	24	5	0.2	N.A.
637.261-018	GAS-APPLIANCE SERVICER	0	11	9	0.8	N.A.
637.261-026	REFRIGERATION MECHANIC	0	29	2	0.1	N.A.
637.664-010	ENVIR-CONT-SYS-INSTALLER-	0	1	2	2.0	N.A.

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[0] STATEWIDE

CLUSTER TITLE: WELDING

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE SK04

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
WELDERS & CUTTERS	77693914	864	867	1	18	19
TOTALS		864	867	1	18	19

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[0] STATEWIDE

CLUSTER TITLE: WELDING

SCHOOL YEAR 1984-85 CLUSTER CODE SK04

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
WELDING TECHNICI	011.261-014							1	1
WELDING	48.0508	74	95	1					170
WELDING MACHINE	810.382-010							1	1
WELDER, ARC	810.384-014							3	3
WELDER-FITTER	819.361-010							2	2
WELDER APPRENTIC	819.384-008				1	72		3	76
WELDER, COMBINAT	819.384-010				3			5	8
***TOTALS		74	95	1	4	72		15	261

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[0] STATEWIDE — MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: WELDING — CLUSTER CODE SK04

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
811.684-014	WELDER, GAS	0	5	3	0.6	N.A.
813.684-022	SOLDERER, PRODUCTION LINE	0	2	0	--	N.A.
819.384-010	WELDER, COMBINATION	0	813	99	0.1	N.A.
819.684-010	WELDER, PRODUCTION LINE	0	9	0	--	N.A.

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[0] STATEWIDE
CLUSTER TITLE: CARPENTRY AND CONSTRUCTION TRADES
MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE SK05

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
MATERIAL WORKERS (NO DETAIL	44858099	622	620	0	20	20
MAINTENANCE REPAIRERS, GENE	77285132	3397	3661	44	319	363
INSTALLERS: MANUFACTURED BL	77285938	134	148	2	13	15
CEILING TILE INSTALLERS	77387105	21	19	0	0	0
DRYWALL INSTALLERS	77387108	72	68	0	1	1
CARPENTERS	77387110	2869	2759	-17	89	72
TAPERS	77387111	48	45	0	1	1
BRICK MASONS	77387302	111	101	-1	2	1
STONE MASONS	77387305	31	29	0	1	1
HARD TILE SETTERS	77387308	4	4	0	0	0
CONCRETE & TERRAZZO FINISHE	77387311	338	326	-1	7	6
REINFORCING METAL WORKERS	77387314	96	92	0	2	2
PLASTERERS & STUCCO MASONS	77387317	48	41	0	1	1
PAINTERS & PAPERHANGERS	77387402	392	385	0	20	20
PLUMBER, PIPEFITTER, STEAMF	77387502	846	835	-1	24	23
PIPELAYING FITTERS	77387505	70	71	0	2	2
PIPELAYERS	77387508	117	113	0	3	3
CARPET INSTALLERS	77387602	52	56	1	1	2
AIR HAMMER OPERATORS	77387702	44	42	0	1	1
HIGHWAY MAINTENANCE WORKERS	77387711	1026	1052	4	26	30
INSULATION WORKERS	77387802	106	102	0	2	2
ROOFERS	77387808	170	158	-1	3	2
GLAZIERS	77387811	162	175	2	4	6
FENCE ERECTORS	77387817	104	105	0	3	3
CONSTRUCTION WORKERS (NO DE	77387899	277	272	0	10	10
BLASTERS & EXPLOSIVES WORKE	77387905	151	152	0	4	4
CABINETMAKERS & BENCH CARPE	77489311	200	201	0	9	9
FURNITURE FINISHERS	77489314	14	15	0	1	1
HELPERS: CONSTRUCTION	77998301	1263	1159	-16	38	22

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CLUSTER TITLE: CARPENTRY AND CONSTRUCTION TRADES (Continued)

MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE SK05

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
HELPERS: EXTRACTIVE WORKERS	77998323	27	25	0	1	1
HAND MATERIAL MOVERS (NO DE	77998799	1499	1509	2	37	39
HAND LABORERS (NO DETAIL)	77998999	4900	4723	-29	133	104
TOTALS		19211	19063	-11	778	767

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[0] STATEWIDE

CLUSTER TITLE: CARPENTRY AND CONSTRUCTION TRADES

SCHOOL YEAR 1984-85 CLUSTER CODE SK05

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPRIETARY	VOC REHAB	TOTAL *****
SUPERINTENDENT,	182.167-026				1				1
INDUSTRIAL ARTS,	21.0101	4							4
FLAGGER (CONSTRU	372.667-022				1				1
CARPENTRY	46.0201	108	17	4					129
FURNITURE MAKING	48.0702						18		18
SANDBLASTER	503.687-010				1				1
CABINETMAKER, SU	660.130-010							1	1
CABINETMAKER	660.280-010							2	2
CABINETMAKER APP	660.280-014							1	1
SHAPER OPERATOR	665.682-034				2				2
FRAMER	739.684-078				2			1	3
MASKER	749.687-018				1				1
SANDER, PORTABLE	761.684-034				2				2
FURNITURE FINISH	763.381-010				2			1	3
FURNITURE ASSEMB	763.684-038				14				14
REPAIRER, ASSEMB	769.684-038				2				2
FRAME TRIMMER 2	769.687-022							1	1
PAINTER APPRENTI	840.364-014					10			10
PAINTER	840.381-010					18		1	19
CEMENT-MASON APP	844.364-014					11			11
CARPENTER-LABOR	860.137-010							1	1
CARPENTER, MAINT	860.281-010							1	1
CARPENTER	860.381-022				2	22			24
CARPENTER APPREN	860.381-026				3	50			53
CARPENTER, ROUGH	860.381-042				1				1
SHIPWRIGHT HELPE	860.664-018							1	1
BRICKLAYER APPRE	861.381-022				1	16			17
STONEMASON	861.381-038				1				1
PIPE FITTER	862.381-018				2				2

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[0] STATEWIDE

CLUSTER TITLE: CARPENTRY AND CONSTRUCTION TRADES (Continued)

SCHOOL YEAR 1984-85 CLUSTER CODE SK05

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
PIPE-FITTER APPR	862.381-026							1	1
PLUMBER	862.381-030				1				1
SUPERVISOR, INSU	863.134-014				1				1
BLOWER INSULATOR	863.664-010				1				1
SIDER	863.684-014				2				2
GLASS INSTALLER	865.684-014							1	1
ROOFER	866.381-010				4				4
TRAFFIC-MAINTENA	869.137-010							1	1
SIGN ERECTOR-AND	869.361-018				2				2
HOUSE REPAIRER	869.381-010				2				2
CONCRETE-BUILDIN	869.664-010				1				1
CONSTRUCTION WOR	869.664-014				7			4	11
ASSEMBLER	869.684-010				6				6
INSTALLER	869.684-026				2				2
CAMOUFLAGE ASSEM	869.687-014				1				1
CONSTRUCTION WOR	869.687-026				3			4	7
***TOTALS		112	17	4	71	127	18	22	371

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[0] STATEWIDE MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: CARPENTRY AND CONSTRUCTION TRADES CLUSTER CODE SK05

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
182.267-010	CONSTRUCTION INSPECTOR	0	22	5	0.2	N.A.
660.280-010	CABINETMAKER	0	80	21	0.3	N.A.
763.684-014	CABINET ASSEMBLER	0	3	0	--	N.A.
795.687-014	GLUER	0	2	0	--	N.A.
840.381-010	PAINTER	0	441	143	0.3	N.A.
842.361-018	PLASTERER	0	10	1	0.1	N.A.
842.664-010	TAPER	0	26	4	0.2	N.A.
844.364-010	CEMENT MASONS	0	165	21	0.1	N.A.
860.281-010	CARPENTER, MAINTENANCE	0	16	5	0.3	N.A.
860.381-022	CARPENTER	0	2129	371	0.2	N.A.
861.381-018	BRICKLAYER	0	90	9	0.1	N.A.
862.261-010	PIPE FITTER	0	2	0	--	N.A.
862.381-018	PIPE FITTER	0	211	11	0.1	N.A.
862.381-030	PLUMBER	0	163	21	0.1	N.A.
862.381-034	PLUMBER APPRENTICE	0	40	4	0.1	N.A.
862.684-014	LABORER, CONSTRUCTION OR	0	6	2	0.3	N.A.
863.381-014	PIPE COVERER & INSULATOR	0	3	0	--	N.A.
864.381-010	CARPET LAYER	0	39	8	0.2	N.A.
865.381-010	GLAZIER	0	46	5	0.1	N.A.
866.381-010	ROOFER	0	212	143	0.7	N.A.
869.664-014	CONSTRUCTION WORKER I	0	2520	1054	0.4	N.A.
869.684-010	ASSEMBLER	0	26	47	1.8	N.A.
869.687-026	CONSTRUCTION WORKER II	0	2131	1201	0.6	N.A.

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D E M A N D R E P O R T

[0] STATEWIDE
CLUSTER TITLE: HEAVY EQUIPMENT MECHANICS AND OPERATORS
MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE SK06

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
LOGGING TRACTOR OPERATORS	66373011	603	513	-14	13	-1
MILLWRIGHTS	77285123	314	294	-2	8	6
BUS, TRUCK, HEAVY EQUIP. ME	77285311	1138	1197	10	30	40
HEAVY EQUIPMENT MECHANICS	77285314	749	734	-2	23	21
RIGGERS	77285935	17	17	0	1	1
RAIL-TRACK LAYING EQUIP. OP	77387714	104	91	-1	2	1
ROTARY DRILL OPERATORS	77387911	446	418	-4	10	6
ROUSTABOUTS	77387921	839	670	-27	15	-12
ROOF BOLTERS	77387923	33	49	3	1	4
MINE CUTTING MACHINE OPERAT	77387943	134	173	7	3	10
TRUCK DRIVERS	77897101	8688	9093	68	282	350
RAIL YARD ENGINEERS, DINKEY	77897308	158	151	0	7	7
TANK CAR & TRUCK LOADERS	77897905	16	14	0	0	0
UNDERGROUND LOADING MACH. O	77897932	327	335	1	10	11
GRADER, DOZER, SCRAPER OPER	77897938	392	389	0	12	12
HOIST, WINCH, CRANE OPERATO	77897940	212	193	-2	6	4
INDUSTRIAL TRUCK/TRACTOR OP	77897947	935	918	-2	15	13
OPERATING ENGINEERS	77897956	1253	1220	-5	30	25
MATERIAL MOVING OPER. (NO D	77897989	339	349	2	11	13
TOTALS		16697	16818	32	479	511

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[0] STATEWIDE
CLUSTER TITLE: HEAVY EQUIPMENT MECHANICS AND OPERATORS
SCHOOL YEAR 1984-85 CLUSTER CODE SK06

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
ENGINEER	197.130-010							2	2
HEAVY EQUIP. MAI	47.0302		18						18
DIESEL ENGINE ME	47.0605		40						40
CONSTRUCTION EQU	49.0202		8						8
IMPREGNATING-TAN	599.685-046				8				8
CONSTRUCTION-EQU	620.261-022				1	30			31
MECHANIC, INDUST	620.281-050				1				1
REPAIRER, HEAVY	620.381-022							1	1
AIRFRAME-AND-POW	621.281-014							2	2
DIESEL MECHANIC	625.281-010				3			5	8
MAINTENANCE MECH	629.280-010							1	1
OILER	699.687-018				1				1
TOWER ERECTOR	821.361-038							1	1
BULLDOZER OPERAT	850.683-010				9				9
FORM-GRADER OPER	850.683-022				3				3
POWER-SHOVEL OPE	850.683-030				2				2
ROAD-OILING-TRUC	853.663-018							1	1
OPERATING ENGINE	859.683-010				2	87		2	91
HIGHWAY-MAINTENA	899.684-014							1	1
DUMP-TRUCK DRIVE	902.683-010							2	2
TANK-TRUCK DRIVE	903.683-018				1				1
TRACTOR-TRAILER-	904.383-010				1			1	2
LOG-TRUCK DRIVER	904.683-010				1				1
TRUCK DRIVER, HE	905.663-014				2			2	4
GARAGE SERVICER,	915.687-014				1				1
TOW-TRUCK OPERAT	919.663-026							1	1
TEAMSTER	919.664-010							1	1
YARD SUPERVISOR,	929.137-030				1				1
LOGGING-TRACTOR	929.683-010				1				1

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[0] STATEWIDE
CLUSTER TITLE: HEAVY EQUIPMENT MECHANICS AND OPERATORS (Continued)
SCHOOL YEAR 1984-85 CLUSTER CODE SK06

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
MECHANICAL-SHOVE	932.683-018							1	1
ROTARY-RIG ENGIN	950.382-022							1	1
***TOTALS		66		38	117			25	246

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

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[0] STATEWIDE MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: HEAVY EQUIPMENT MECHANICS AND OPERATORS CLUSTER CODE SK06

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
620.261-022	CONSTRUCTION-EQUIPMENT ME	0	122	22	0.2	N.A.
620.281-046	MAINTENANCE MECHANIC	0	12	10	0.8	N.A.
620.381-022	REPAIRER, HEAVY	0	2	0	--	N.A.
625.281-010	DIESEL MECHANIC	0	374	55	0.1	N.A.
626.281-010	MACHINE REPAIRER, MAINTEN	0	2	0	--	N.A.
638.281-014	MAINTENANCE MECHANIC	0	211	20	0.1	N.A.
638.684-018	MAINTENANCE-MECHANIC HELP	0	6	2	0.3	N.A.
850.683-010	BULLDOZER OPERATOR I	0	33	3	0.1	N.A.
859.683-010	OPERATING ENGINEER	0	1598	62	0.0	N.A.
903.683-018	TANK-TRUCK DRIVER	0	10	2	0.2	N.A.
904.383-010	TRACTOR-TRAILER-TRUCK DRI	0	1064	289	0.3	N.A.
905.663-014	TRUCK DRIVER, HEAVY	0	1663	199	0.1	N.A.
921.663-010	BRIDGE-OR-GANTRY-CRANE OP	0	20	0	--	N.A.
929.683-010	LOGGING-TRACTOR OPERATOR	0	225	39	0.2	N.A.
930.684-026	ROTARY-DRILLER HELPER	0	427	47	0.1	N.A.
950.382-026	STATIONARY ENGINEER	0	53	234	4.4	N.A.

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[0] STATEWIDE

CLUSTER TITLE: AUTOMOTIVE AND ENGINE MECHANICS

MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE SK07

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
AUTO & MOTORCYCLE MECHANICS	77285301	1853	1961	18	60	78
AUTOMOTIVE BODY, RELATED RE	77285305	597	630	6	12	18
RAIL CAR REPAIRERS	77285317	255	222	-5	8	3
SMALL ENGINE SPECIALISTS	77285328	106	116	2	3	5
BICYCLE REPAIRERS	77285951	22	24	0	1	1
TIRE REPAIRERS & CHANGERS	77285953	442	487	8	10	18
PAINTERS: TRANSPORTATION EQ	77592947	32	34	0	1	1
PAINTING & COATING, HAND	77693947	10	11	0	0	0
SERVICE STATION ATTENDANTS	77897805	918	931	2	19	21
TOTALS		4235	4416	31	114	145

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[0] STATEWIDE

CLUSTER TITLE: AUTOMOTIVE AND ENGINE MECHANICS

SCHOOL YEAR 1984-85 CLUSTER CODE SK07

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
AUTOMOTIVE TECHN	15.0803			67					67
INSPECTOR, MOTOR	168.267-058							1	1
MANAGER, AUTOMOT	184.117-034							1	1
AUTOMOTIVE BODY	47.0603	16	30						46
AUTOMOTIVE MECHA	47.0604	240	101						341
SMALL ENGINE REP	47.0606	5	12						17
AUTOMOBILE MECHA	620.261-010				8			8	16
AUTOMOBILE-REPAI	620.261-018				2			3	5
BRAKE REPAIRER	620.281-026				1				1
TRANSMISSION MEC	620.281-062				1				1
TUNE-UP MECHANIC	620.281-066				1				1
AUTOMOBILE-RADIA	620.381-010							1	1
AUTOMOBILE-MECHA	620.684-014				2	6		4	12
USED-CAR RENOVAT	620.684-034				4				4
MOTORBOAT MECHAN	623.281-038				2				2
POWER-SAW MECHAN	625.281-030							1	1
SMALL-ENGINE MEC	625.281-034				1			10	11
PUMP-SERVICER HE	630.684-022							2	2
GAS-APPLIANCE SE	637.261-018				1				1
MAINTENANCE-MECH	638.684-018							1	1
TIRE MOUNTER	739.684-158							1	1
NEW-CAR GET-READ	806.361-026				1				1
ASSEMBLER, CAMPE	806.684-018				1				1
AUTOMOBILE-BODY	807.361-010							3	3
AUTOMOBILE-BODY	807.381-010				9			6	15
SERVICE MECHANIC	807.381-022							1	1
MUFFLER INSTALLE	807.664-010				1			1	2
PAINTER, TRANSPO	845.381-014							1	1
PAINTER HELPER,	845.684-014				1				1

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[0] STATEWIDE

CLUSTER TITLE: AUTOMOTIVE AND ENGINE MECHANICS (Continued)

SCHOOL YEAR 1984-85 CLUSTER CODE SK07

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
STEAM-CLEANING-M	891.685-010				2				2
TIRE-SERVICE SUP	915.134-010				1				1
AUTOMOBILE-SERVI	915.467-010				3			3	6
AUTOMOBILE-SELF-	915.477-010				1				1
TIRE REPAIRER	915.684-010				3			1	4
LUBRICATION SERV	915.687-018				9				9
***TOTALS		261	143	67	55	6		49	581

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

A N A L Y S I S I N F O R M A T I O N

[0] STATEWIDE MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: AUTOMOTIVE AND ENGINE MECHANICS CLUSTER CODE SK07

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
007.061-010	AUTOMOTIVE ENGINEER	0	2	1	0.5	N.A.
168.267-058	INSPECTOR, MOTOR VEHICLES	0	7	7	1.0	N.A.
620.261-010	AUTOMOBILE MECHANIC	0	976	201	0.2	N.A.
625.281-034	SMALL-ENGINE MECHANIC	0	73	16	0.2	N.A.
750.384-010	TIRE BUILDER, AUTOMOBILE	0	1	0	--	N.A.
806.381-058	TRAILER ASSEMBLER	0	3	1	0.3	N.A.
806.481-014	ASSEMBLER, INTERNAL COMBU	0	0	1	0.0	N.A.
807.381-010	AUTOMOBILE-BODY REPAIRER	0	330	83	0.3	N.A.
845.381-014	PAINTER, TRANSPORTATION E	0	10	5	0.5	N.A.
915.467-010	AUTOMOBILE-SERVICE-STATIO	0	408	149	0.4	N.A.
915.687-018	LUBRICATION SERVICER	0	19	21	1.1	N.A.

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MONTANA OCCUPATIONAL INFORMATION SYSTEM
D E M A N D R E P O R T

[0] STATEWIDE
CLUSTER TITLE: MACHINE SHOP
MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE SK08

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
PRECISION INSPECTORS, GRADE	77183002	141	136	0	3	3
PRODUCTION INSPECTORS, GRAD	77183004	362	349	-1	11	10
MACHINERY MECH: SEWING MACH	77285113	6	6	0	0	0
MACHINERY MECH: UNDERGROUND	77285117	2	3	0	0	0
MACHINERY MECHANIC: PLANT	77285118	81	83	0	2	2
ALL OTHER MACHINERY MECHANI	77285119	908	923	3	29	32
MACHINERY MAINTENANCE WORKE	77285128	402	391	-1	10	9
MECHANICS, INSTALLERS (NO D	77285999	661	682	4	25	29
TOOL & DIE MAKERS	77489102	21	22	0	1	1
MACHINISTS	77489108	613	663	8	18	26
PATTERN & MODEL MAKERS: WOO	77489302	3	3	0	0	0
WOOD MACHINISTS	77489308	60	57	0	1	1
SAWING MACH. TOOL SETTER/OP	77591102	2	3	0	0	0
LATHE, TURNING MACH. SETTER	77591105	8	10	0	0	0
MACHINE TOOL CUTTING OPER.,	77591117	21	26	1	1	2
PRESS, BRAKE MACH.SETTER/OP	77591305	1	1	0	0	0
EXTRUDING MACH. SETTER/OPER	77591311	1	1	0	0	0
MACHINE FORMING OPERATORS,	77591321	8	10	0	0	0
NUMERICAL CONTROL MACH. TOO	77591502	5	6	0	0	0
COMBINATION MACH. TOOL SET/	77591505	3	3	0	0	0
COMBINATION MACH. TOOL OPER	77591508	80	81	0	2	2
PLASTIC MOLDING, CASTING OP	77591905	15	23	1	0	1
OTHER METAL/PLASTIC MACH. O	77592198	80	81	0	2	2
SAWING MACHINE SETTER/OPERA	77592302	37	33	0	1	1
SAWING MACHINE OPERATOR/TEN	77592308	666	604	-9	20	11
WOODWORKING MACHINE SETTER/	77592311	98	88	-1	8	7
WOODWORKING MACHINE OPERATO	77592314	166	164	0	4	4
PAPER GOODS MACHINE SETTER/	77592914	10	11	0	0	0
CUTTING & SLICING MACHINE O	77592944	61	62	0	2	2

MONTANA OCCUPATIONAL INFORMATION SYSTEM
D E M A N D R E P O R T

[0] STATEWIDE
CLUSTER TITLE: MACHINE SHOP (Continued)
MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE SK08

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
COATING, PAINTING MACH. OPE	77592953	81	86	1	2	3
CEMENTING, GLUING MACHINE O	77592956	147	135	-1	4	3
SEPARATING, FILTERING MACH.	77592962	36	46	2	1	3
CRUSHING & MIXING MACHINE O	77592965	405	425	3	10	13
EXTRUDING, FORMING OPERATOR	77592971	87	77	-1	2	1
PACKAGING, FILLING MACHINE	77592974	305	281	-3	7	4
ALL OTHER MACHINE SETTERS/O	77592997	54	57	1	1	2
MACHINE OPERATORS (NO DETAI	77592998	506	523	3	13	16
MACHINE BUILDERS	77693105	2	2	0	0	0
COIL WINDERS, TAPERS, FINIS	77693908	3	8	1	0	1
PORTABLE MACHINE CUTTERS	77693928	2	2	0	0	0
CONVEYOR OPERATORS & TENDER	77897951	285	271	-1	6	5
MACHINE FEEDERS & OFFBEARER	77998502	1264	1153	-18	32	14
TOTALS		7699	7591	-8	218	210

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

S U P P L Y R E P O R T

[0] STATEWIDE

CLUSTER TITLE: MACHINE SHOP

SCHOOL YEAR 1984-85 CLUSTER CODE SK08

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
MACHINE TOOL OPE	48.0503		36						36
BULLET-SLUG-CAST	502.382-010				3				3
CERAMIC COATER,	509.685-022							1	1
BRIQUETTE-MACHIN	549.662-010				6				6
INJECTION-MOLDIN	556.382-014				1				1
MACHINIST	600.280-022				1			4	5
MACHINIST, AUTOM	600.280-034				1				1
MAINTENANCE MACH	600.280-042							1	1
MACHINE SET-UP O	600.380-018				1				1
SAW MAKER	601.381-034				1			1	2
GRINDER OPERATOR	603.280-010				1				1
THREAD-MILLING-M	605.382-042				2				2
DRILL-PRESS OPER	606.682-014				1				1
MACHINE OPERATOR	616.360-018				1				1
GUNSMITH	632.281-010							4	4
CUT-OFF-SAW OPER	667.682-022				4				4
TURNING-MACHINE-	667.686-022				1				1
MACHINIST, WOOD	669.380-014				2				2
SAW FILER	701.381-014							1	1
TOOL GRINDER 1	701.381-018				1				1
ASSEMBLER, PRODU	706.684-018				4				4
ASSEMBLER, SMALL	706.684-022				3				3
MOLD OPERATOR	729.684-030							1	1
PLASTICS BENCH M	754.381-018				1				1
PLASTIC MOLDER	779.684-050							1	1
***TOTALS			36	35				14	85

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A N A L Y S I S I N F O R M A T I O N

[0] STATEWIDE — MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: MACHINE SHOP — CLUSTER CODE SK08

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
556.685-038	INJECTION-MOLDING-MACHINE	0	1	0	--	N.A.
557.382-010	EXTRUDER OPERATOR	0	2	0	--	N.A.
600.280-022	MACHINIST	0	234	46	0.2	N.A.
600.380-018	MACHINE SET-UP OPERATOR	0	3	0	--	N.A.
601.280-046	TOOL-AND-DIE-MAKER	0	3	0	--	N.A.
603.664-010	TOOL GRINDER 2	0	1	0	--	N.A.
604.380-022	SCREW-MACHINE SET-UP OPER	0	1	0	--	N.A.
604.685-026	LATHE OPERATOR, PRODUCTIO	0	2	0	--	N.A.
609.684-014	LABORER, GENERAL (MACHINE	0	0	2	0.0	N.A.
609.685-018	PRODUCTION MACHINE TENDER	0	2	0	--	N.A.
615.482-022	PUNCH-PRESS OPERATOR	0	1	0	--	N.A.
691.382-010	EXTRUDING-MACHINE OPERATO	0	1	0	--	N.A.
842.361-010	LATHER	0	4	0	--	N.A.

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

D E M A N D R E P O R T

[0] STATEWIDE

CLUSTER TITLE: METALWORKING

MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE SK09

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
STRUCTURAL METAL WORKERS	77387814	162	154	0	3	3
PATTERN & MODEL MAKERS: MET	77489114	17	18	0	0	0
PRECISION LAYOUT WORKERS: M	77489117	3	4	0	0	0
SHEET METAL WORKERS	77489132	516	508	0	11	11
BOILERMAKERS	77489135	38	36	0	1	1
PRECISION FOUNDRY MOLD/CORE	77489902	9	10	0	0	0
PRECISION MOLDERS, SHAPERS	77489905	27	27	0	1	1
PRECISION PATTERN, MODELMAK	77489908	7	8	0	0	0
PRECISION DETAIL DESIGN	77489911	17	27	2	1	3
STRUCTURAL METAL FABRICATOR	77591714	333	369	6	9	15
METAL MOLDING, CASTING SETT	77591908	12	13	0	0	0
ELECTROLYTIC PLATING OPER.,	77591921	32	38	1	1	2
NONELECTROLYTIC PLATING OPE	77591926	2	2	0	0	0
AIRCRAFT STRUCTURE ASSEMBLY	77693102	3	3	0	0	0
PRECISION STRUCT. METAL FIT	77693108	18	20	0	1	1
METAL POURERS, BASIC SHAPES	77693941	24	18	0	0	0
MOLDERS & CASTERS, HAND	77693944	3	3	0	0	0
ASSEMBLERS & FABRICATORS	77693956	338	421	14	10	24
ASSEMBLERS, HAND WORK (NO D	77693999	175	231	9	7	16
TOTALS		1736	1910	32	45	77

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[0] STATEWIDE

CLUSTER TITLE: METALWORKING

SCHOOL YEAR 1984-85 CLUSTER CODE SK09

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPRIETARY	VOC REHAB	TOTAL *****
PRECISION METAL	48.0501	33							33
MOLDER	518.361-010				1				1
LABORER, GENERAL	519.686-010				1				1
MILLWRIGHT APPRE	638.281-022				1				1
ASSEMBLER, METAL	709.684-014				1				1
COIL WINDER	724.684-026				1				1
ASSEMBLER, METAL	801.381-010				2				2
SHEET-METAL WORK	804.281-010				1				1
BOILERMAKER 2	805.381-010							1	1
FABRICATOR-ASSEM	809.381-010				4				4
ASSEMBLER, UNIT	809.681-010				1				1
SIGN ERECTOR 1	869.381-026				1				1
***TOTALS		33			14			1	48

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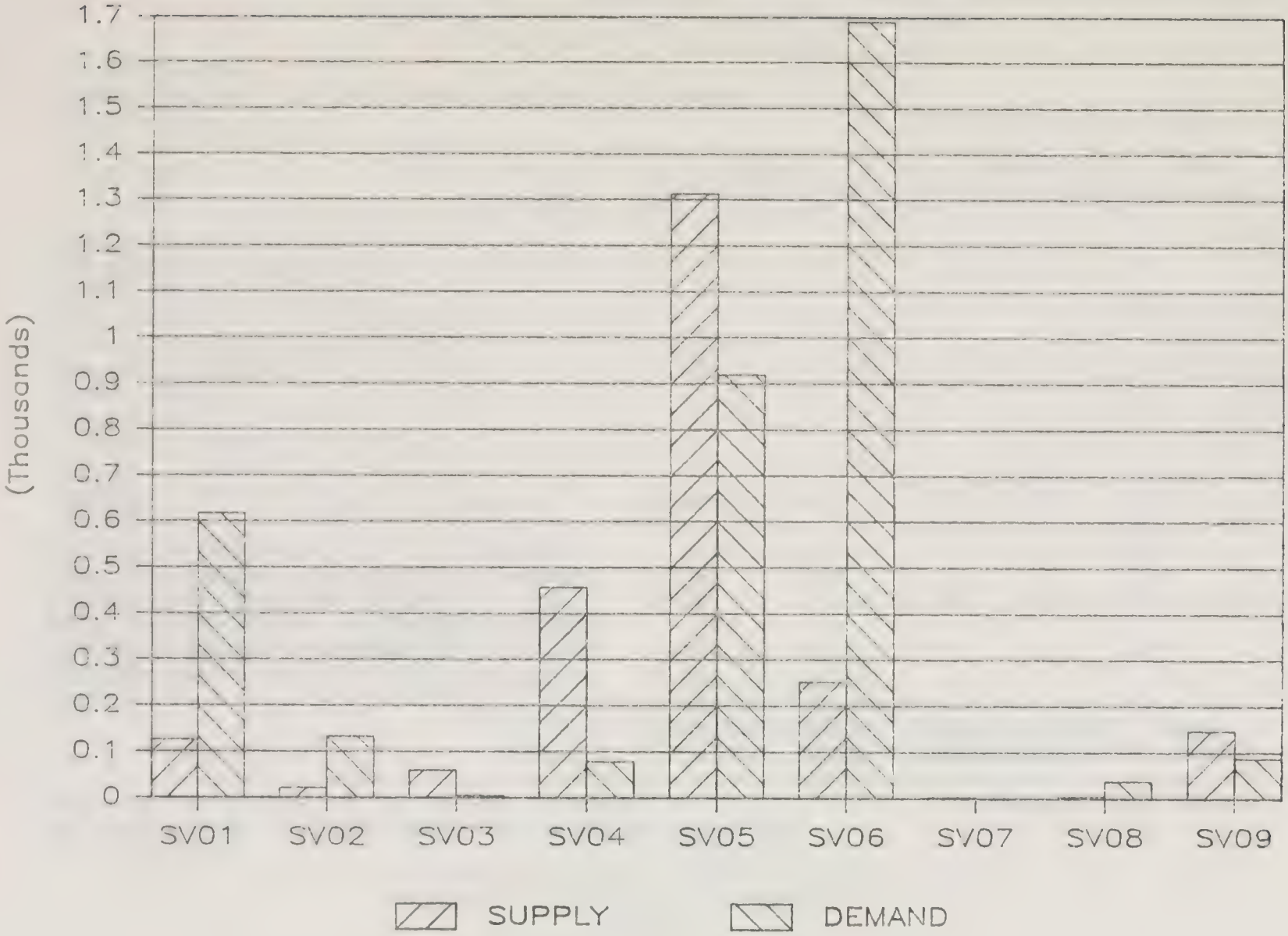
[0] STATEWIDE MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: METALWORKING CLUSTER CODE SK09

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
199.361-010	RADIOGRAPHER (INDUSTRIAL)	0	26	3	0.1	N.A.
509.686-010	LABORER, GENERAL (IRON &	0	51	14	0.3	N.A.
519.687-022	FOUNDRY WORKER, GENERAL	0	12	0	--	N.A.
619.360-014	METAL FABRICATOR	0	11	0	--	N.A.
619.381-010	INSPECTOR (IRON & STEEL P	0	1	0	--	N.A.
638.261-014	MACHINERY ERECTOR	0	2	0	--	N.A.
638.281-018	MILLWRIGHT	0	133	15	0.1	N.A.
699.682-022	DIE CUTTER (ANY IND.)	0	3	0	--	N.A.
709.684-014	ASSEMBLER, METAL FURNITUR	0	1	0	--	N.A.
724.684-026	COIL WINDER	0	3	0	--	N.A.
804.281-010	SHEET-METAL WORKER	0	129	13	0.1	N.A.
805.261-014	BOILERMAKER	0	101	0	--	N.A.
806.381-046	SHIPFITTER(SHIP BLDG & RE	0	2	0	--	N.A.
809.281-010	LAY-OUT WORKER 1	0	9	2	0.2	N.A.
809.381-022	ORNAMENTAL-IRON WORKER (C	0	0	1	0.0	N.A.
809.684-010	ASSEMBLER, PRODUCTION LIN	0	1	0	--	N.A.

SERVICE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D E M A N D R E P O R T

[0] STATEWIDE

CLUSTER TITLE: INSTITUTIONAL AND BUILDING SERVICE

MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE SV01

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
HOUSEKEEPERS, HOTEL & MOTEL	55761008	419	473	9	14	23
JANITOR, PORTER, CLEANER, M	55767001	8780	9568	131	291	422
PEST CONTROLLERS & ASSISTAN	55767008	46	58	2	1	3
BUILDING SERVICE (NO DETAIL	55767099	861	920	10	28	38
SERVICE WORKERS (NO DETAIL)	55969999	1388	1554	28	87	115
REFUSE COLLECTORS	77998705	360	370	2	16	18
TOTALS		11854	12943	182	437	619

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S U P P L Y R E P O R T

[0] STATEWIDE

CLUSTER TITLE: INSTITUTIONAL AND BUILDING SERVICE

SCHOOL YEAR 1984-85

CLUSTER CODE SV01

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
MANAGER, APARTME	186.167-018				1				1
HOUSEKEEPER, HOM	301.137-010							1	1
HOUSE WORKER, GE	301.474-010				1			2	3
HOUSEKEEPER	321.137-010							5	5
CLEANER, HOSPITA	323.687-010				2				2
CLEANER, HOUSEKE	323.687-014				7			6	13
HOUSECLEANER	323.687-018				1			2	3
SUPERVISOR, JANI	381.137-010				1				1
CLEANER, COMMERC	381.687-014				1			7	8
CLEANER, INDUSTR	381.687-018				1			4	5
CLEANER, LABORAT	381.687-022							1	1
JANITOR	382.664-010				17			43	60
CHIMNEY SWEEP	891.687-010							1	1
MAINTENANCE REPA	899.281-014							1	1
MAINTENANCE REPA	899.381-010				3	18		2	23
MOBILE-HOME-LOT	899.484-010				1			1	2
LABORER, GENERAL	909.687-014							2	2
PORTER, USED-CAR	915.687-022				1				1
CLEANER II	919.687-014							1	1
***TOTALS					37	18		79	134

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

A N A L Y S I S I N F O R M A T I O N

[0] STATEWIDE MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: INSTITUTIONAL AND BUILDING SERVICE CLUSTER CODE SV01

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
301.474-010	HOUSE WORKER, GENERAL	0	393	454	1.2	N.A.
323.687-010	CLEANER, HOSPITAL	0	41	41	1.0	N.A.
323.687-014	CLEANER, HOUSEKEEPING	0	1245	951	0.8	N.A.
381.687-014	CLEANER, COMMERCIAL OR IN	0	745	1174	1.6	N.A.
389.684-010	EXTERMINATOR	0	9	0	--	N.A.
899.281-014	MAINTENANCE REPAIRER, FAC	0	43	3	0.1	N.A.
899.381-010	MAINTENANCE REPAIRER, BUI	0	497	165	0.3	N.A.
899.684-022	MAINTENANCE-REPAIRER HELP	0	2	4	2.0	N.A.
915.473-010	PARKING-LOT ATTENDANT	0	10	42	4.2	N.A.
915.667-010	CAR-WASH ATTENDANT, AUTOM	0	6	11	1.8	N.A.

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D E M A N D R E P O R T

[0] STATEWIDE
CLUSTER TITLE: VEHICLE OPERATORS AND CLEANERS
MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE SV02

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
BUS DRIVERS	77897108	281	305	4	9	13
BUS DRIVERS: SCHOOL	77897111	1313	1477	27	44	71
TAXI DRIVERS & CHAUFFEURS	77897114	103	111	1	5	6
RAILROAD CONDUCTORS, YARDMA	77897302	367	347	-2	11	9
LOCOMOTIVE ENGINEERS	77897305	160	157	0	8	8
LOCOMOTIVE FIRERS	77897311	38	22	-2	1	-1
PARKING LOT ATTENDANTS	77897808	12	16	1	1	2
ALL OTHER TRANSPORTATION	77897899	156	171	3	5	8
VEHICLE, EQUIPMENT CLEANERS	77998905	458	501	7	11	18
TOTALS		2888	3107	39	95	134

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[0] STATEWIDE

CLUSTER TITLE: VEHICLE OPERATORS AND CLEANERS

SCHOOL YEAR 1984-85 CLUSTER CODE SV02

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
TRAFFIC INSPECTO	184.163-010							2	2
DEMURRAGE CLERK	214.362-010							1	1
COIN COLLECTOR	292.483-010							2	2
DELIVERER, MERCH	299.477-010							1	1
VAN DRIVER	905.663-018				1				1
TRUCK DRIVER HEL	905.687-010							1	1
TRUCK DRIVER, LI	906.683-022				3			2	5
BUS DISPATCHER,	913.167-010							2	2
TAXICAB STARTER	913.367-010							1	1
TAXI DRIVER	913.463-018				1			1	2
INDUSTRIAL-TRUCK	921.683-050				3			1	4
***TOTALS					8			14	22

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

A N A L Y S I S I N F O R M A T I O N

[0] STATEWIDE MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: VEHICLE OPERATORS AND CLEANERS CLUSTER CODE SV02

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
292.483-010	COIN COLLECTOR	0	8	4	0.5	N.A.
906.683-022	TRUCK DRIVER, LIGHT	0	537	180	0.3	N.A.
913.463-010	BUS DRIVER	0	302	92	0.3	N.A.
913.463-018	TAXI DRIVER	0	44	20	0.5	N.A.
919.683-014	DRIVER (AUTO MFG.)	0	3	8	2.7	N.A.
919.687-014	CLEANER II	0	100	116	1.2	N.A.

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

D E M A N D R E P O R T

[0] STATEWIDE

CLUSTER TITLE: BARBERING

MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE SV03

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
BARBERS	55868002	70	77	1	5	6
TOTALS		70	77	1	5	6

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

S U P P L Y R E P O R T

[0] STATEWIDE

CLUSTER TITLE: BARBERING

SCHOOL YEAR 1984-85

CLUSTER CODE SV03

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPRIETARY	VOC REHAB	TOTAL *****
BARBERING/HAIRST	12.0402						56		56
BARBER	330.371-010				1			4	5
***TOTALS					1		56	4	61

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

A N A L Y S I S I N F O R M A T I O N

[0] STATEWIDE — MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: BARBERING — CLUSTER CODE SV03

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
330.371-010	BARBER	0	20	6	0.3	N.A.

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

D E M A N D R E P O R T

[0] STATEWIDE

CLUSTER TITLE: COSMETOLOGY

MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE SV04

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
HAIRDRESSERS & COSMETOLOGIS	55868005	867	1079	35	44	79
MANICURISTS	55868008	3	4	0	0	0
TOTALS		870	1083	35	44	79

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

S U P P L Y R E P O R T

[0] STATEWIDE

CLUSTER TITLE: COSMETOLOGY

SCHOOL YEAR 1984-85 CLUSTER CODE SV04

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPRIETARY	VOC REHAB	TOTAL *****
COSMETOLOGY	12.0403						439		439
COSMETOLOGIST	332.271-010				5			10	15
COSMETOLOGIST AP	332.271-014							1	1
HAIR STYLIST	332.271-018							1	1
MASSEUR/MASSEUSE	334.374-010							1	1
***TOTALS					5		439	13	457

MONTANA OCCUPATIONAL INFORMATION SYSTEM

A N A L Y S I S I N F O R M A T I O N

[0] STATEWIDE — MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: COSMETOLOGY — CLUSTER CODE SV04

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
332.271-010	COSMETOLOGIST	0	169	54	0.3	N.A.

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D E M A N D R E P O R T

[0] STATEWIDE

CLUSTER TITLE: CHILD CARE SERVICES AND TEACHING

MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE SV05

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
COLLEGE & UNIVERSITY FACULT	22631101	201	261	10	7	17
GRADUATE ASSISTANTS, TEACHI	22631117	668	615	-8	16	8
LIFE SCIENCES TEACHERS	22631202	251	258	1	8	9
CHEMISTRY TEACHERS	22631204	67	69	0	2	2
PHYSICS TEACHERS	22631206	48	49	0	2	2
ALL OTHER PHYS. SCIENCES TE	22631209	44	45	0	1	1
SOCIAL SCIENCES TEACHERS	22631210	194	199	1	6	7
HEALTH SPECIALTIES TEACHERS	22631212	38	39	0	1	1
ENGLISH & FOREIGN LANGUAGE	22631216	182	187	1	6	7
ART, DRAMA, & MUSIC TEACHER	22631218	140	144	1	5	6
ENGINEERING TEACHERS	22631222	103	106	1	3	4
MATHEMATICAL SCIENCES TEACH	22631224	105	108	1	3	4
COMPUTER SCIENCE TEACHERS	22631226	59	61	0	2	2
ALL OTHER POSTSECONDARY TEA	22631299	531	546	3	17	20
TEACHERS: PRESCHOOL	22631301	810	946	23	28	51
TEACHERS: ELEMENTARY SCHOOL	22631304	5408	6046	106	182	288
TEACHERS: SECONDARY SCHOOL	22631308	4110	4210	17	112	129
TEACHERS: VOCATIONAL EDUCAT	22631314	573	655	14	26	40
INSTRUCTORS: NONVOCATIONAL	22631317	554	632	13	23	36
INSTRUCTORS & COACHES: SPOR	22631321	917	1084	28	32	60
TEACHERS, INSTRUCTORS (NO D	22631399	1569	1644	13	87	100
VOCATIONAL & EDUC. COUNSELO	22631514	315	308	0	9	9
TEACHER'S AIDES, EDUC. ASSI	44353904	1900	2022	20	62	82
CHILD CARE WORKERS	55868038	448	507	10	26	36
TOTALS		19235	20741	255	666	921

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S U P P L Y R E P O R T

[0] STATEWIDE

CLUSTER TITLE: CHILD CARE SERVICES AND TEACHING

SCHOOL YEAR 1984-85 CLUSTER CODE SV05

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPRIETARY	VOC REHAB	TOTAL *****
FACULTY MEMBER,	090.227-010				1			2	3
TEACHER, INDUSTR	091.221-010							7	7
TEACHER, SECONDA	091.227-010				1			23	24
TEACHER, ELEMENT	092.227-010				1			16	17
TEACHER, PRESCHO	092.227-018				1			1	2
TEACHER, DEAF	094.224-010							2	2
EDUCATIONAL SPEC	099.167-022							1	1
INSTRUCTOR, PHYS	099.224-010							2	2
TEACHER, ADULT E	099.227-030				1				1
TEACHER AIDE	099.327-010							6	6
EDUCATION, GENER	13.0101			165					165
EDUCATION ADMINI	13.0401			22					22
SCHOOL PSYCHOLOG	13.0801			4					4
SPECIAL EDUCATIO	13.1001			27					27
EDUCATION OF THE	13.1005			1					1
EDUCATION OF THE	13.1007			1					1
SPECIFIC LEARNIN	13.1011			1					1
STUDENT COUNSELI	13.1101			57					57
ELEMENTARY EDUCA	13.1202			332					332
PRE-ELEMENTARY E	13.1204			6					6
SECONDARY EDUCAT	13.1205			24					24
AGRICULTURAL EDU	13.1301			18					18
ART EDUCATION	13.1302			7					7
BUSINESS EDUCATI	13.1303			31					31
ENGLISH EDUCATIO	13.1305			11					11
FOREIGN LANGUAGE	13.1306			1					1
INDUSTRIAL ARTS	13.1309			37					37
MATHEMATICS EDUC	13.1311			12					12
MUSIC EDUCATION	13.1312			23					23

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S U P P L Y R E P O R T

[0] STATEWIDE

CLUSTER TITLE: CHILD CARE SERVICES AND TEACHING (Continued)

SCHOOL YEAR 1984-85 CLUSTER CODE SV05

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
PHYSICAL EDUCATI	13.1314			153					153
READING EDUCATIO	13.1315			5					5
SCIENCE EDUCATIO	13.1316			11					11
SOCIAL SCIENCE E	13.1317			7					7
SOCIAL STUDIES E	13.1318			9					9
TECHNICAL EDUCAT	13.1319			4					4
TRADE AND INDUST	13.1320			6					6
TEACHER, ART	149.021-010							2	2
TEACHER, MUSIC	152.021-010							1	1
RESIDENCE SUPERV	187.167-186				1			2	3
HOME ECONOMICS,	19.0101			67					67
SOCIAL WORKER, S	195.107-038							1	1
CHILD CARE & GUI	20.0201	3							3
ENGLISH, GENERAL	23.0101			88					88
CREATIVE WRITING	23.0501			5					5
SPEECH, DEBATE,	23.1001			74					74
TEACHER AIDE 2	249.367-074							3	3
CHILD MONITOR	301.677-010				3			2	5
HOMEMAKER	309.354-010							1	1
CHILD-CARE ATTEN	355.674-010				1			2	3
ATTENDANT, CHILD	359.677-010				1				1
NURSERY SCHOOL A	359.677-018				6			7	13
PLAYROOM ATTENDA	359.677-026							1	1
***TOTALS		3		1209	17			82	1311

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

A N A L Y S I S I N F O R M A T I O N

[0] STATEWIDE MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: CHILD CARE SERVICES AND TEACHING CLUSTER CODE SV05

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
090.227-010	FACULTY MEMBER, COLLEGE O	0	88	14	0.2	N.A.
091.227-010	TEACHER, SECONDARY SCHOOL	0	643	2460	3.8	N.A.
092.227-010	TEACHER, ELEMENTARY SCHOO	0	704	3760	5.3	N.A.
159.124-010	COUNSELOR, CAMP	0	27	24	0.9	N.A.
187.167-186	RESIDENCE SUPERVISOR	0	16	5	0.3	N.A.
249.367-074	TEACHER AIDE 2	0	310	535	1.7	N.A.
359.677-010	ATTENDANT, CHILDREN'S INS	0	70	33	0.5	N.A.
359.677-018	NURSERY SCHOOL ATTENDANT	0	127	78	0.6	N.A.
359.677-026	PLAYROOM ATTENDANT	0	4	1	0.3	N.A.

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

D E M A N D R E P O R T

[0] STATEWIDE

CLUSTER TITLE: FOOD PRODUCTION, MANAGEMENT, AND SERVICES

MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE SV06

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
HOSTS & HOSTESSES	55565002	533	613	13	19	32
BARTENDERS	55565005	2980	3390	68	143	211
WAITERS & WAITRESSES	55565008	6936	7689	126	238	364
DINING ROOM & BARTENDER HEL	55565014	1117	1256	23	13	36
BAKERS, BREAD & PASTRY	55565021	534	582	8	21	29
COOKS: RESTAURANT	55565026	2653	3053	67	114	181
COOKS: INSTITUTION OR CAFET	55565028	1267	1342	13	52	65
COOKS: FAST FOOD & SHORT OR	55565030	2223	2461	40	74	114
FOOD PREPARATION WORKERS	55565038	3279	3670	65	123	188
COMB. FOOD PREPARATION, SER	55565041	3761	4674	152	169	321
FOOD SERVICE WORKERS (NO DE	55565099	1681	1832	25	106	131
BUTCHER, MEATCUTTER, SLAUGH	77489801	750	699	-8	23	15
BAKERS, MANUFACTURING	77489805	39	36	0	1	1
FOOD BATCHMAKERS	77489808	27	24	0	1	1
OTHER PRECISION FOOD, TOBAC	77489899	15	15	0	1	1
COOKING MACHINE OPER., FOOD	77592917	14	15	0	0	0
ROASTING,DRYING OPER., FOOD	77592921	21	19	0	1	1
DAIRY PROCESSING EQUIP. OPE	77592932	35	28	0	1	1
CANNERY WORKERS	77693935	4	5	0	0	0
MEAT, POULTRY, FISH CUTTERS	77693938	65	40	-3	1	-2
TOTALS		27934	31443	589	1101	1690

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S U P P L Y R E P O R T

[0] STATEWIDE

CLUSTER TITLE: FOOD PRODUCTION, MANAGEMENT, AND SERVICES

SCHOOL YEAR 1984-85 CLUSTER CODE SV06

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPRIETARY	VOC REHAB	TOTAL *****
HOME ECONOMIST	096.121-014							2	2
MANAGER, FAST FO	185.137-010							2	2
MANAGER, FOOD CO	185.167-022							1	1
MANAGER, MARKET	186.167-042				1			2	3
MANAGER, FOOD SE	187.167-106				1			1	2
TESTER, FOOD PRO	199.251-010							1	1
FOOD PRODUCTION,	20.0401	15							15
CHEF/COOK	20.0403		27						27
HOST/HOSTESS RES	310.137-010				1				1
KITCHEN SUPERVIS	310.137-014				1				1
CAR HOP	311.477-010				1				1
COUNTER ATTENDAN	311.477-014				6			1	7
WAITER/WAITRESS,	311.477-018				2				2
WAITER/WAITRESS,	311.477-030				3			1	4
CANTEEN OPERATOR	311.674-010							1	1
COUNTER ATTENDAN	311.677-014				2				2
DINING ROOM ATTE	311.677-018							1	1
BARTENDER	312.474-010				5			2	7
CHEF (HOTEL & RE	313.131-014							2	2
COOK, HEAD, SCHO	313.131-018							1	1
SOUS CHEF	313.131-026							1	1
BAKER, SECOND	313.361-010				2				2
COOK (HOTEL & RE	313.361-014				20			8	28
COOK APPRENTICE	313.361-018					23			23
COOK, SHORT ORDE	313.361-022				7			1	8
COOK, SCHOOL CAF	313.381-030				1				1
BAKER HELPER	313.684-010				2				2
COOK HELPER, PAS	313.687-010				2				2
COOK	315.361-010				1	35		3	39

MONTANA OCCUPATIONAL INFORMATION SYSTEM
S U P P L Y R E P O R T

[0] STATEWIDE
CLUSTER TITLE: FOOD PRODUCTION, MANAGEMENT, AND SERVICES (Continued)
SCHOOL YEAR 1984-85 CLUSTER CODE SV06

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
MEAT CUTTER	316.684-018			3					3
MEAT-CUTTER APPR	316.684-022							1	1
PANTRY GOODS MAK	317.684-014			2					2
SANDWICH MAKER	317.684-018			1				1	2
COOK HELPER (HOT	317.687-010			1				4	5
KITCHEN HELPER (	318.687-010			17				14	31
FOOD-SERVICE SUP	319.137-010							1	1
FOOD ASSEMBLER,	319.484-010			1					1
FOOD-SERVICE WOR	355.677-010			3				1	4
SAUSAGE-MEAT TRI	521.687-106			1					1
FISH DRIER	523.687-014							1	1
BUTCHER, ALL-ROU	525.381-014							1	1
SMOKER	525.682-010			3					3
BONER, MEAT	525.684-010			1					1
BAKER	526.381-010			2					2
BAKER APPRENTICE	526.381-014			1					1
DOUGHNUT-MACHINE	526.682-022			1					1
DOUGHNUT MAKER	526.684-010			1					1
SUPERVISOR, SPEC	529.137-062			1					1
GRADER, FOOD	529.687-098							1	1
***TOTALS		15	27	97	58			56	253

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A N A L Y S I S I N F O R M A T I O N

[0] STATEWIDE MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: FOOD PRODUCTION, MANAGEMENT, AND SERVICES CLUSTER CODE SV06

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
311.477-014	COUNTER ATTENDANT, LUNCHR	0	1978	972	0.5	N.A.
311.477-030	WAITER/WAITRESS, INFORMAL	0	1857	656	0.4	N.A.
311.477-038	WAITER/WAITRESS, TAKE-OUT	0	16	12	0.8	N.A.
311.677-010	CAFETERIA ATTENDANT	0	44	31	0.7	N.A.
312.474-010	BARTENDER	0	1411	254	0.2	N.A.
313.131-014	CHEF (HOTEL & RESTAURANT)	0	74	12	0.2	N.A.
313.361-014	COOK (HOTEL & RESTAURANT)	0	1735	874	0.5	N.A.
313.361-022	COOK, SHORT ORDER 1	0	542	208	0.4	N.A.
313.361-026	COOK, SPECIALTY	0	23	6	0.3	N.A.
313.361-030	COOK, SPECIALTY, FOREIGN	0	21	16	0.8	N.A.
313.381-010	BAKER	0	21	9	0.4	N.A.
313.684-010	BAKER HELPER	0	7	2	0.3	N.A.
315.361-010	COOK	0	420	147	0.4	N.A.
316.684-010	BUTCHER, CHICKEN AND FISH	0	5	0	--	N.A.
316.684-018	MEAT CUTTER	0	222	32	0.1	N.A.
317.684-014	PANTRY GOODS MAKER	0	45	37	0.8	N.A.
317.687-010	COOK HELPER (HOTEL & REST	0	140	74	0.5	N.A.
318.687-010	KITCHEN HELPER (HOTEL & R	0	1940	1230	0.6	N.A.
319.137-010	FOOD-SERVICE SUPERVISOR (	0	23	4	0.2	N.A.
319.474-010	FOUNTAIN SERVER (HOTEL &	0	1	1	1.0	N.A.
355.677-010	FOOD-SERVICE WORKER, HOSP	0	62	36	0.6	N.A.
525.684-030	FISH CLEANER	0	3	9	3.0	N.A.
526.381-010	BAKER	0	105	26	0.2	N.A.
526.684-010	DOUGHNUT MAKER	0	8	18	2.3	N.A.
526.686-010	BAKER HELPER	0	36	15	0.4	N.A.
529.686-014	CANNERY WORKER	0	7	9	1.3	N.A.
529.687-074	EGG CANDLER	0	1	0	--	N.A.
529.687-130	LABORER (SLAUGHT. & MEAT	0	3	11	3.7	N.A.
929.686-010	BAKERY WORKER	0	19	13	0.7	N.A.

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

S U P P L Y R E P O R T

[0] STATEWIDE

CLUSTER TITLE: FUNERAL SERVICES

SCHOOL YEAR 1984-85 CLUSTER CODE SV07

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPRIETARY	VOC REHAB	TOTAL *****
GROUNDSKEEPER, P	406.684-010				2			1	3
***TOTALS					2			1	3

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

A N A L Y S I S I N F O R M A T I O N

[0] STATEWIDE MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: FUNERAL SERVICES CLUSTER CODE SV07

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
187.167-030	DIRECTOR, FUNERAL	0	7	0	--	N.A.

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[0] STATEWIDE

CLUSTER TITLE: THEOLOGICAL SERVICES

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE SV08

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
CLERGY	22427502	274	311	6	14	20
DIRECTORS: RELIGIOUS ACTIV.	22427505	208	237	5	13	18
TOTALS		482	548	11	27	38

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[0] STATEWIDE
CLUSTER TITLE: THEOLOGICAL SERVICES
SCHOOL YEAR 1984-85 CLUSTER CODE SV08

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
CLERGY MEMBER	120.007-010							2	2
RELIGION	38.0201			3					3
THEOLOGICAL STUD	39.0601			3					3
***TOTALS				6				2	8

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

D E M A N D R E P O R T

[0] STATEWIDE

CLUSTER TITLE: SOCIAL WORK

MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE SV09

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
SOCIAL SCIENTISTS (NO DETAI	22427199	74	86	2	3	5
SOCIAL WORKERS	22427310	1309	1429	20	43	63
WELFARE ELIGIBILITY WORKERS	44353502	262	271	2	11	13
SOCIAL SERVICE AIDES	55868034	152	167	3	5	8
TOTALS		1797	1953	27	62	89

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[0] STATEWIDE
CLUSTER TITLE: SOCIAL WORK
SCHOOL YEAR 1984-85 CLUSTER CODE SV09

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
CASEWORKER	195.107-010							7	7
CASEWORKER, FAMI	195.107-018							1	1
SOCIAL GROUP WOR	195.107-022							1	1
GROUP WORKER	195.164-010				1			1	2
CASE AIDE	195.367-010				2			1	3
HUMANITIES AND S	30.0401			10					10
SOCIAL WORK, GEN	44.0701			37					37
SOCIAL SCIENCES,	45.0101			14					14
SOCIOLOGY	45.1101			73					73
***TOTALS				134	3			11	148

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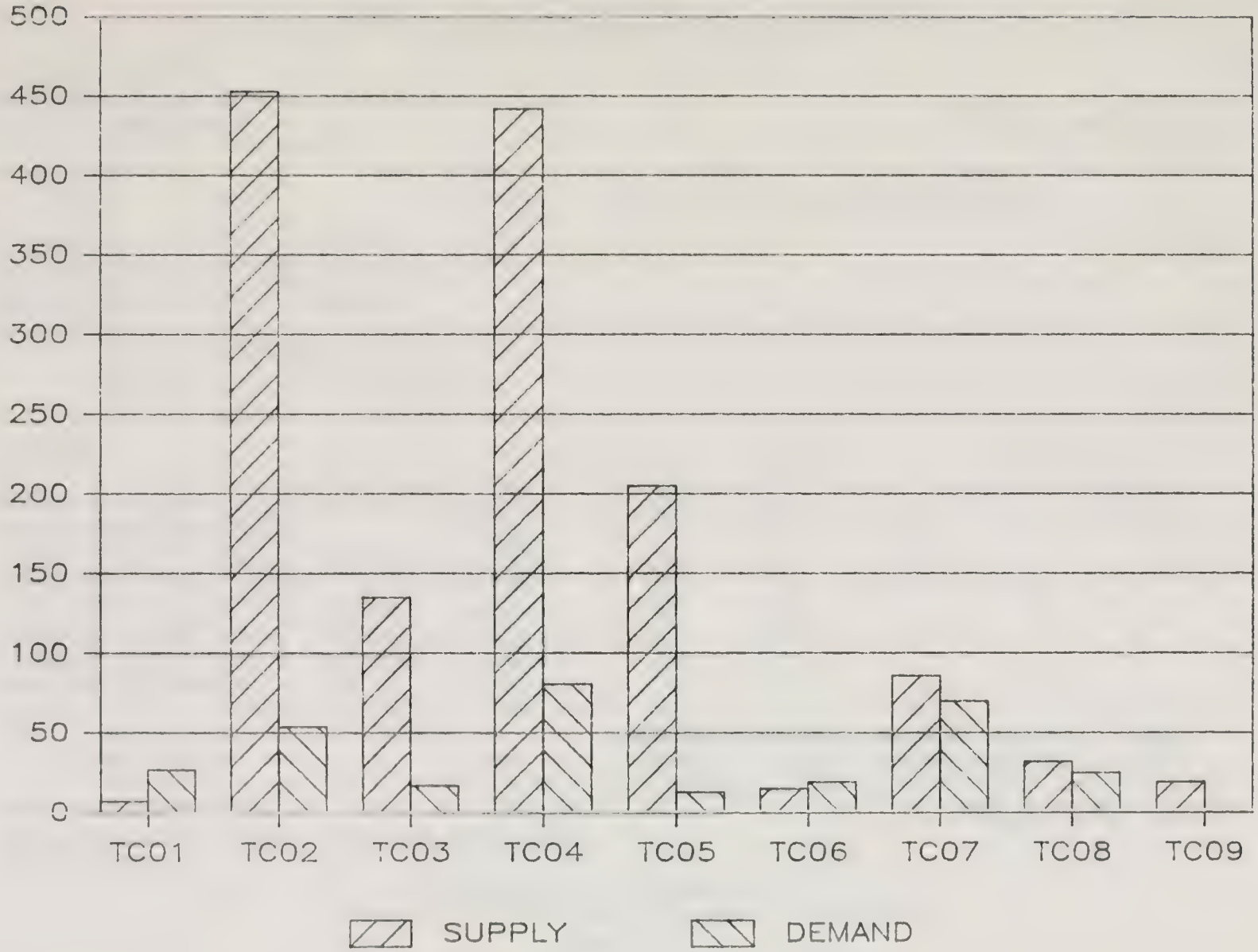
A N A L Y S I S I N F O R M A T I O N

[0] STATEWIDE — MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: SOCIAL WORK — CLUSTER CODE SV09

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
054.067-014	SOCIOLOGIST	0	11	0	--	N.A.
195.107-010	CASEWORKER	0	60	23	0.4	N.A.
195.107-022	SOCIAL GROUP WORKER	0	52	12	0.2	N.A.

TECHNOLOGY


500
450
400
350
300
250
200
150
100
50
0
TC01
TC02
TC03
TC04
TC05
TC06
TC07
TC08
TC09
SUPPLY
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D E M A N D R E P O R T

[0] STATEWIDE

CLUSTER TITLE: POWER STATION OPERATORS

MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE TC01

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
NUCLEAR ENGINEERS	22122117	3	3	0	0	0
FURNACE OPERATORS & TENDERS	77591935	25	18	0	0	0
FURNACE, KILN, OVEN, KETTLE	77592923	164	156	0	5	5
LOW PRESSURE BOILER OPERATO	77592926	159	154	0	6	6
AUXILIARY EQUIP. OPER., POW	77795023	95	80	-2	3	1
POWER DISTRIBUTORS & DISPAT	77795028	20	18	0	1	1
STATIONARY ENGINEERS	77795032	133	132	0	5	5
PLANT & SYSTEM OCC. (NO DET	77795099	292	301	2	7	9
TOTALS		891	862	0	27	27

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

S U P P L Y R E P O R T

[0] STATEWIDE

CLUSTER TITLE: POWER STATION OPERATORS

SCHOOL YEAR 1984-85 CLUSTER CODE TC01

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPRIETARY	VOC REHAB	TOTAL *****
CONVENTIONAL ELE	47.0502			5					5
BOILERHOUSE INSP	805.667-010							1	1
BOILER ROOM HELP	950.685-014							1	1
***TOTALS				5				2	7

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

A N A L Y S I S I N F O R M A T I O N

[0] STATEWIDE MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: POWER STATION OPERATORS CLUSTER CODE TC01

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
952.382-018	POWER-PLANT OPERATOR	0	11	2	0.2	N.A.

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

D E M A N D R E P O R T

[0] STATEWIDE

CLUSTER TITLE: CIVIL TECHNOLOGY AND MATH SCIENCE

MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE TC02

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
ENGINEERING, MATH., NAT.SCI	11313017	31	31	0	1	1
CIVIL ENGINEERS,INCL. TRAFF	22122121	644	669	4	17	21
ENGINEERS (NO DETAIL)	22122199	100	104	1	2	3
ARCHITECTS	22122301	213	233	3	7	10
CIVIL ENGINEERING TECHNICIA	22122502	391	409	3	7	10
ENGINEERING TECHN. (NO DETA	22122599	330	317	-1	6	5
STATISTICIANS	22325312	13	13	0	0	0
ALL OTHER MATH. SCIENTISTS	22325319	62	63	0	1	1
URBAN & REGIONAL PLANNERS	22427105	97	100	1	2	3
TOTALS		1881	1939	11	43	54

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S U P P L Y R E P O R T

[0] STATEWIDE
CLUSTER TITLE: CIVIL TECHNOLOGY AND MATH SCIENCE
SCHOOL YEAR 1984-85 CLUSTER CODE TC02

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
CIVIL ENGINEER	005.061-014							4	4
SURVEYOR ASSISTA	018.167-034							2	2
SURVEYOR, GEODET	018.167-038							1	1
SURVEYOR, MINE	018.167-050				1				1
PHOTOGRAMMETRIST	018.261-026							1	1
PROJECT ENGINEER	019.167-014							1	1
ENGINEERING ANAL	020.067-010							3	3
GEOLOGIST	024.061-018							6	6
GEOLOGIST, PETRO	024.061-022							1	1
GEOGRAPHER	029.067-010							1	1
CITY, COMMUNITY,	04.0301			1					1
ENGINEERING, GEN	14.0101			33					33
CIVIL ENGINEERIN	14.0801			120					120
ELECTRICAL, ELEC	14.1001			119					119
ENGINEERING MECH	14.1101			2					2
ENGINEERING SCIE	14.1301			38					38
CIVIL TECHNOLOGY	15.0201			5					5
SCIENTIFIC HELPE	199.364-014				1			1	2
MATHEMATICS, GEN	27.0101			80					80
PURE MATHEMATICS	27.0401			5					5
STATISTICS	27.0501			2					2
SYSTEMS SCIENCE	30.0601			19					19
SURVEYOR HELPER	869.567-010				3			2	5
OBSERVER HELPER	939.364-010							1	1
***TOTALS				424	5			24	453

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A N A L Y S I S I N F O R M A T I O N

[0] STATEWIDE MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: CIVIL TECHNOLOGY AND MATH SCIENCE CLUSTER CODE TC02

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
005.061-014	CIVIL ENGINEER	0	81	30	0.4	N.A.
018.167-010	CHIEF OF PARTY (SURVEY)	0	17	1	0.1	N.A.
020.067-014	MATHEMATICIAN	0	2	0	--	N.A.

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D E M A N D R E P O R T

[0] STATEWIDE
CLUSTER TITLE: CHEMICAL TECHNOLOGY
MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE TC03

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
PETROLEUM ENGINEERS	22122111	35	39	1	1	2
CHEMICAL ENGINEERS	22122114	82	92	2	1	3
CHEMISTS	22224105	152	149	0	3	3
PETROLEUM TECHNICIANS	22224511	24	22	0	0	0
DERRICK OPERATORS, OIL & GA	77387914	130	104	-3	2	-1
SERVICE UNIT OPERATORS	77387917	444	357	-14	8	-6
EXTRACTIVE WORKERS (NO DETA	77387999	168	167	0	4	4
CHEMICAL EQUIP. CONTROLLER/	77592935	83	89	1	2	3
CHEMICAL EQUIPMENT TENDER	77592938	38	36	0	1	1
CHEMICAL PLANT & SYSTEM OPE	77795008	34	32	0	1	1
PETROLEUM REFINERY OPERATOR	77795014	171	160	-1	6	5
GAUGERS	77795017	7	8	0	0	0
OIL PUMPERS, EXCEPT WELL HE	77897908	88	75	-1	3	2
TOTALS		1456	1330	-15	32	17

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[0] STATEWIDE

CLUSTER TITLE: CHEMICAL TECHNOLOGY

SCHOOL YEAR 1984-85 CLUSTER CODE TC03

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPRIETARY	VOC REHAB	TOTAL *****
CHEMICAL ENGINEE	008.061-018							2	2
CHEMICAL-LABORAT	022.061-010							1	1
CHEMICAL ENGINEE	14.0701			83					83
CHEMISTRY, GENER	40.0501			45					45
CRUDE-OIL TREATE	541.382-014							1	1
CHEMICAL COMPOUN	559.682-018							1	1
OIL-WELL-SERVICE	939.132-014							1	1
OIL-WELL-SERVICE	939.462-010				1				1
***TOTALS				128	1			6	135

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A N A L Y S I S I N F O R M A T I O N

[0] STATEWIDE — MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: CHEMICAL TECHNOLOGY — CLUSTER CODE TC03

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
008.061-018	CHEMICAL ENGINEER	0	6	0	--	N.A.
022.061-010	CHEMICAL-LABORATORY CHIEF	0	27	7	0.3	N.A.
022.261-010	CHEMICAL-LABORATORY TECHN	0	12	2	0.2	N.A.
029.261-010	LABORATORY TESTER	0	30	3	0.1	N.A.
549.260-010	REFINERY OPERATOR	0	11	4	0.4	N.A.
559.382-018	CHEMICAL OPERATOR	0	1	0	--	N.A.
559.382-046	PILOT-CONTROL OPERATOR (C	0	10	1	0.1	N.A.

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D E M A N D R E P O R T

[0] STATEWIDE
CLUSTER TITLE: ENVIRONMENTAL CONTROL TECHNOLOGY
MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE TC04

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
MINING, QUARRY, OIL DRILL M	11515021	180	173	0	6	6
CONSTRUCTION, BUILDING INSP	22021908	170	175	1	8	9
METALLURGISTS & MATERIAL EN	22122105	33	40	1	1	2
MINING ENGINEERS, INCL. SAF	22122108	107	138	5	4	9
SAFETY ENGINEERS, EXCEPT MI	22122132	28	28	0	1	1
SURVEYORS	22122309	379	400	4	12	16
PHYSICISTS & ASTRONOMERS	22224102	5	5	0	0	0
METEOROLOGISTS	22224108	13	13	0	0	0
GEOPHYSICISTS	22224111	295	337	7	7	14
PHYSICAL SCIENTISTS (NO DET	22224199	117	121	1	4	5
WATER & WASTE TREAT. PLANT	77795002	375	378	1	15	16
WELL HEAD PUMPERS	77897911	203	172	-4	7	3
TOTALS		1905	1980	16	65	81

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[0] STATEWIDE

CLUSTER TITLE: ENVIRONMENTAL CONTROL TECHNOLOGY

SCHOOL YEAR 1984-85 CLUSTER CODE TC04

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
SANITARY ENGINEE	005.061-030							1	1
PETROLEUM ENGINE	010.061-018							2	2
POLLUTION-CONTRO	019.081-018							1	1
HYDROLOGIST	024.061-034				1			2	3
ENGINEER, SOILS	024.161-010							1	1
ENVIRONMENTAL AN	029.081-010							1	1
RENEWABLE NATURA	03.0101			28					28
CONSERVATION AND	03.0201			5					5
ENVIRONMENTAL HE	14.1401			10					10
GEOLOGICAL ENGIN	14.1501			19					19
GEOPHYSICAL ENGI	14.1601			10					10
METALLURGICAL EN	14.2001			13					13
MINING AND MINER	14.2101			40					40
PETROLEUM ENGINE	14.2501			108					108
AGRICULTURAL DES	15.0101			11					11
SURVEYING & MAPP	15.0203			5					5
WASTE & WASTEWAT	15.0506			2					2
OCCUPATIONAL SAF	15.0701			3					3
INSPECTOR, BUILD	168.167-030							1	1
OCC-SAFETY & HEA	168.167-062							1	1
SAFETY INSPECTOR	168.264-014				3				3
MINE INSPECTOR	168.267-074							1	1
URBAN PLANNER	199.167-014							1	1
BIOLOGICAL AND P	30.0101			9					9
GEOLOGY	40.0601			72					72
EARTH SCIENCE	40.0703			44					44
PHYSICS, GENERAL	40.0801			22					22
GEOGRAPHY	45.0701			18					18
TREATMENT-PLANT	630.281-038							1	1

MONTANA OCCUPATIONAL INFORMATION SYSTEM

S U P P L Y R E P O R T

[0] STATEWIDE

CLUSTER TITLE: ENVIRONMENTAL CONTROL TECHNOLOGY (Continued)

SCHOOL YEAR 1984-85 CLUSTER CODE TC04

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
PARTS SALVAGER	638.281-026				1				1
LABORER, SALVAGE	929.687-022							1	1
QUARRY WORKER (M	939.667-014				1				1
WATER-TREATMENT-	954.382-014							2	2
WASTEWATER-TREAT	955.362-010							1	1
***TOTALS				419	6			17	442

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A N A L Y S I S I N F O R M A T I O N

[0] STATEWIDE MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: ENVIRONMENTAL CONTROL TECHNOLOGY CLUSTER CODE TC04

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
011.261-010	METALLURGICAL TECHNICIAN	0	2	0	--	N.A.
551.485-010	WATER-TREATMENT-PLANT OPE	0	3	0	--	N.A.
929.687-022	LABORER, SALVAGE (RECLAIM	0	27	28	1.0	N.A.
954.382-014	WATER-TREATMENT-PLANT OPE	0	15	2	0.1	N.A.

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[0] STATEWIDE
CLUSTER TITLE: MECHANICAL TECHNOLOGY
MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER CODE TC05

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
MECHANICAL ENGINEERS	22122135	206	214	1	4	5
MECHANICAL ENGINEERING TECH	22122511	12	13	0	0	0
MECHANICAL CONTROL INSTALLE	77285928	42	41	0	1	1
ALL OTHER PRECISION WORKERS	77489599	101	104	1	6	7
TOTALS		361	372	2	11	13

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[0] STATEWIDE

CLUSTER TITLE: MECHANICAL TECHNOLOGY

SCHOOL YEAR 1984-85 CLUSTER CODE TC05

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
MECHANICAL ENGIN	007.061-014							4	4
ENGINEERING ASSI	007.161-018							9	9
MECHANICAL-ENGIN	007.161-026							3	3
MECHANICAL ENGIN	14.1901			156					156
ELECTROMECHANICA	15.0403	33							33
***TOTALS		33		156				16	205

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[0] STATEWIDE MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: MECHANICAL TECHNOLOGY CLUSTER CODE TC05

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
007.061-014	MECHANICAL ENGINEER	0	39	17	0.4	N.A.
007.161-026	MECHANICAL-ENGINEERING TE	0	27	4	0.1	N.A.

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D E M A N D R E P O R T

[0] STATEWIDE
CLUSTER TITLE: INSTRUMENT TECHNOLOGY
MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE TC06

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
OTHER COMMUNICATION MECHANI	77285599	37	37	0	0	0
WATCHMAKERS	77285917	12	12	0	1	1
MUSICAL INSTRUMENT REPAIRER	77285921	34	37	1	3	4
LOCKSMITHS & SAFE REPAIRERS	77285923	1	1	0	0	0
PRECISION INSTRUMENT MAKERS	77489105	5	6	0	0	0
JEWELERS & SILVERSMITHS	77489123	72	84	2	5	7
PRECISION PRODUCTION (NO DE	77489999	185	186	0	6	6
GRINDING, BUFFING MACH. SET	77591114	21	22	0	1	1
TOTALS		367	385	3	16	19

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S U P P L Y R E P O R T

[0] STATEWIDE

CLUSTER TITLE: INSTRUMENT TECHNOLOGY

SCHOOL YEAR 1984-85 CLUSTER CODE TC06

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
JEWELER	700.281-010							4	4
GOLD CUTTER	700.684-038							1	1
FIRE-EXTINGUISHE	709.384-010							1	1
DENTAL-LABORATOR	712.381-018							1	1
DENTAL-LABORATOR	712.381-022				1				1
WATCH REPAIRER	715.281-010							3	3
OPTICIAN APPRENT	716.280-010				1				1
PRECISION-LENS G	716.382-018				1				1
GEM CUTTER	770.281-014							1	1
DIAMOND CLEAVER	770.381-014							1	1
***TOTALS					3			12	15

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[0] STATEWIDE — MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: INSTRUMENT TECHNOLOGY — CLUSTER CODE TC06

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
710.281-026	INSTRUMENT MECHANIC	0	3	4	1.3	N.A.
710.381-038	INSPECTOR, MECHANICAL AND	0	1	0	--	N.A.
712.381-018	DENTAL-LABORATORY TECHNIC	0	15	4	0.3	N.A.
712.664-010	DENTAL CERAMIST ASSISTANT	0	1	0	--	N.A.
716.382-018	PRECISION-LENS GRINDER	0	7	3	0.4	N.A.
828.381-014	PRECISION ASSEMBLER	0	1	1	1.0	N.A.

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D E M A N D R E P O R T

[0] STATEWIDE
CLUSTER TITLE: TEXTILE TECHNOLOGY
MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE TC07

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
MENDERS: GARMENTS, LINENS	77285956	39	44	1	2	3
FABRIC & APPAREL PATTERNMAK	77489502	6	6	0	0	0
CUSTOM TAILORS & SEWERS	77489505	87	95	1	6	7
UPHOLSTERERS	77489508	125	148	4	5	9
SHOE & LEATHER, PRECISION	77489511	21	23	0	1	1
TEXTILE MACHINE OPERATORS	77592705	3	3	0	0	0
SEWING MACH. OPERATOR: GARM	77592717	66	67	0	3	3
SEWING MACH. OPER.: NON-GAR	77592721	111	125	2	4	6
SHOE SEWING MACHINE OPERATO	77592723	17	17	0	1	1
LAUNDRY, DRYCLEANING MACH.	77592726	569	617	8	26	34
PRESSING MACH. OPERATOR: TE	77592728	117	121	1	4	5
PRESSERS, HAND	77693921	19	20	0	1	1
SEWERS, HAND	77693923	7	7	0	0	0
CUTTERS & TRIMMERS, HAND	77693926	7	9	0	0	0
TOTALS		1194	1302	17	53	70

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[0] STATEWIDE

CLUSTER TITLE: TEXTILE TECHNOLOGY

SCHOOL YEAR 1984-85 CLUSTER CODE TC07

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPRIETARY	VOC REHAB	TOTAL *****
SUPERVISOR LAUND	361.137-010				1				1
WASHER, MACHINE	361.665-010				1				1
LAUNDRY WORKERS	361.685-018				1			1	2
PATCHING-MACHINE	361.685-022							1	1
LAUNDRY LABORER	361.687-018							2	2
DRY CLEANER	362.382-014				1				1
SHOE REPAIRER	365.361-014				1			1	2
LAUNDRY WORKER 3	369.387-010							1	1
LAUNDRY OPERATOR	369.684-014							1	1
SHOE & BOOT REPA	48.0304						7		7
SEWING-MACHINE R	639.281-018				1				1
BOBBIN-WINDER, M	681.585-014				1				1
WEAVER	683.682-038				1				1
TRIMMER	690.482-014							1	1
BOOTMAKER, HAND	753.381-010							1	1
AUTOMOBILE UPHOL	780.381-010							1	1
FURNITURE UPHOLS	780.381-018							1	1
CUSHION BUILDER	780.684-046							1	1
FABRICATOR, FOAM	780.684-062							2	2
UPHOLSTERY REPAI	780.684-122							1	1
LEATHER STAMPER	781.381-018							1	1
NETTING INSPECTO	782.487-010				4				4
CANVAS REPAIRER	782.684-010				2			1	3
PASSEMENTERIE WO	782.684-050							1	1
SEWER, HAND	782.684-058							1	1
LEATHER WORKER	783.684-026							1	1
ALTERATION TAILO	785.261-010							1	1
SEWING SUPERVISO	787.132-010				1				1
MENDER	787.682-030				1				1

MONTANA OCCUPATIONAL INFORMATION SYSTEM

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[0] STATEWIDE

CLUSTER TITLE: TEXTILE TECHNOLOGY (Continued)

SCHOOL YEAR 1984-85 CLUSTER CODE TC07

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPRIETARY	VOC REHAB	TOTAL *****
SEWING-MACHINE O	787.682-042				7				7
SEWING-MACHINE O	787.682-046				3			9	12
SEWING-MACHINE O	787.682-058							1	1
SEWING-MACHINE O	787.682-062				13			2	15
COBBLER	788.381-010							1	1
ASSEMBLER FOR PU	788.684-010				3				3
NET MAKER	789.684-030				3				3
***TOTALS					45		7	34	86

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MONTANA OCCUPATIONAL INFORMATION SYSTEM

A N A L Y S I S I N F O R M A T I O N

[0] STATEWIDE MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: TEXTILE TECHNOLOGY CLUSTER CODE TC07

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
302.687-010	IRONER	0	0	2	0.0	N.A.
361.665-010	WASHER, MACHINE	0	1	0	--	N.A.
361.685-018	LAUNDRY WORKERS	0	38	30	0.8	N.A.
361.687-014	CLASSIFIER	0	1	2	2.0	N.A.
361.687-018	LAUNDRY LABORER	0	106	20	0.2	N.A.
362.684-010	DRY CLEANER, HAND	0	0	1	0.0	N.A.
363.682-018	PRESSER, MACHINE	0	8	1	0.1	N.A.
363.684-018	HAT BLOCKER	0	3	2	0.7	N.A.
363.685-026	SHIRT PRESSER	0	1	1	1.0	N.A.
363.686-010	FLATWORK FINISHER	0	3	1	0.3	N.A.
639.281-018	SEWING-MACHINE REPAIRER	0	3	2	0.6	N.A.
683.682-038	WEAVER	0	0	2	0.0	N.A.
685.665-014	KNITTING-MACHINE OPERATOR	0	2	2	1.0	N.A.
689.682-010	LOOPER	0	1	2	2.0	N.A.
690.682-082	STITCHER, STANDARD MACHIN	0	1	0	--	N.A.
780.381-018	FURNITURE UPHOLSTERER	0	20	6	0.3	N.A.
780.681-010	UPHOLSTERER, INSIDE	0	3	0	--	N.A.
780.682-018	UPHOLSTERY SEWER (ANY IND	0	2	0	--	N.A.
781.687-010	ASSEMBLER (GARMENT, GLOVE	0	2	0	--	N.A.
782.684-058	SEWER, HAND	0	13	4	0.3	N.A.
783.682-014	SEWING-MACHINE OPERATOR	0	1	7	7.0	N.A.
785.261-010	ALTERATION TAILOR	0	18	14	0.8	N.A.
785.361-010	DRESSMAKER	0	1	0	--	N.A.
787.682-046	SEWING-MACHINE OPERATOR (	0	88	38	0.4	N.A.

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[0] STATEWIDE
CLUSTER TITLE: AVIATION
MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE TC08

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
AERONAUTICAL & ASTRO. ENGIN	22122102	24	25	0	0	0
AIR TRAFFIC CONTROLLERS	22939002	129	134	1	3	4
AIRCRAFT MECHANICS	77285320	469	491	4	15	19
AIRCRAFT PILOTS, FLIGHT ENG	77897702	156	154	0	2	2
TOTALS		778	804	5	20	25

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[0] STATEWIDE

CLUSTER TITLE: AVIATION

SCHOOL YEAR 1984-85 CLUSTER CODE TC08

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
AIRPLANE PILOT,	196.263-014							2	2
HELICOPTER PILOT	196.263-038							2	2
AIRLINE SECURITY	372.667-010							1	1
AIRCRAFT MECHANI	47.0607		22						22
AIRLINE INSPECTO	621.261-010							2	2
RECLAMATION WORK	621.684-014							1	1
AVIONICS TECHNIC	823.281-011							2	2
***TOTALS			22					10	32

08/01/86

MONTANA OCCUPATIONAL INFORMATION SYSTEM

A N A L Y S I S I N F O R M A T I O N

[0] STATEWIDE — MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: AVIATION — CLUSTER CODE TC08

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
193.162-018	AIR-TRAFFIC CONTROL SPECI	0	8	0	--	N.A.
352.367-010	AIRPLANE-FLIGHT ATTENDANT	0	4	0	--	N.A.
621.281-014	AIRFRAME-AND-POWER-PLANT	0	57	5	0.1	N.A.
621.381-014	MECHANIC, AIRCRAFT ACCESS	0	5	0	--	N.A.
862.381-010	AIRCRAFT MECHANIC, PLUMBI	0	33	0	--	N.A.

08/01/86
MONTANA OCCUPATIONAL INFORMATION SYSTEM
D E M A N D R E P O R T

[0] STATEWIDE
CLUSTER TITLE: INDUSTRIAL ENGINEERING
MONTANA DEPARTMENT OF LABOR AND INDUSTRY CLUSTER CODE TC09

- OCCUPATION - T I T L E	CODE	1984 EMPLOY	1990 EMPLOY	<ESTIMATED 1984-1990> GROWTH	REPLAC	OPEN
INDUSTRIAL ENGINEERS, EXC.	22122128	48	49	0	1	1
TOTALS		48	49	0	1	1

08/04/86

MONTANA OCCUPATIONAL INFORMATION SYSTEM

S U P P L Y R E P O R T

[0] STATEWIDE

CLUSTER TITLE: INDUSTRIAL ENGINEERING

SCHOOL YEAR 1984-85 CLUSTER CODE TC09

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
INDUSTRIAL ENGIN	012.267-010							1	1
INDUSTRIAL ENGIN	14.1701			2					2
INDUSTRIAL PRODU	15.0699			16					16
***TOTALS				18				1	19

08/01/86

MONTANA OCCUPATIONAL INFORMATION SYSTEM

A N A L Y S I S I N F O R M A T I O N

[0] STATEWIDE MONTANA DEPARTMENT OF LABOR AND INDUSTRY

CLUSTER TITLE: INDUSTRIAL ENGINEERING CLUSTER CODE TC09

CODE	TITLE	U.I. CLAIM	TOTAL APPS	TOTAL OPEN	RATIO OPEN/AP	AVG. HRWAGE
012.267-010	INDUSTRIAL ENGINEERING TE	0	1	0	--	N.A.

08/01/86
MONTANA OCCUPATIONAL INFORMATION SYSTEM
S U P P L Y R E P O R T

[0] STATEWIDE
CLUSTER TITLE: GENERAL TRAINING PROGRAMS
SCHOOL YEAR 1984-85 CLUSTER CODE GN01

- PROGRAM - TITLE	CODE	PUBLIC SECOND	VOC TECH	HIGHER EDUC	JTPA	JOB CORPS	PROPR IETARY	VOC REHAB	TOTAL *****
LIBERAL ARTS AND	24.0101			227					227
LIFE SCIENCES, O	26.9999			1					1
MULTI/INTERDISCI	30.9999			80					80
PHILOSOPHY	38.0101			17					17
PUBLIC AFFAIRS,	44.9999			1					1
HISTORY	45.0801			61					61
***TOTALS				387					387

ALPHABETICAL LISTING OF OES TITLES WITH CODES

CLUS #	OES CODE	OES TITLE
OF01	22021114	ACCOUNTANTS & AUDITORS
MK05	22325313	ACTUARIES
OF02	44353123	ADJUSTMENT CLERKS
OF06	11313014	ADMINISTRATIVE SERVICES MANAGER
GX01	44353908	ADVERTISING CLERKS
TC08	22122102	AERONAUTICAL & ASTRO. ENGINEERS
AG05	66979999	AGRIC., FOREST, FISH (NO DETAIL)
AG01	22224305	AGRICULTURAL & FOOD SCIENTISTS
SK05	77387702	AIR HAMMER OPERATORS
TC08	22939002	AIR TRAFFIC CONTROLLERS
TC08	77285320	AIRCRAFT MECHANICS
TC08	77897702	AIRCRAFT PILOTS, FLIGHT ENGINEERS
SK09	77693102	AIRCRAFT STRUCTURE ASSEMBLY
GX04	77592519	ALL OTH PRINTING PRESS SET/OP
SK01	77285799	ALL OTHER ELECTRICAL MECHANICS
SK08	77592997	ALL OTHER MACHINE SETTERS/OPER.
SK08	77285119	ALL OTHER MACHINERY MECHANICS
OF06	22021999	ALL OTHER MANAGEMENT SUPPORT OCC
TC02	22325319	ALL OTHER MATH. SCIENTISTS
SV05	22631209	ALL OTHER PHYS. SCIENCES TEACHERS
SV05	22631299	ALL OTHER POSTSECONDARY TEACHERS
GX04	77489799	ALL OTHER PRECISION PRINTING
TC05	77489599	ALL OTHER PRECISION WORKERS
AG05	66373099	ALL OTHER TIMBER CUTTING WORKERS
SV02	77897899	ALL OTHER TRANSPORTATION
PS01	55666023	AMBULANCE DRIVER, ATTENDANTS
MK04	55868014	AMUSEMENT & RECREATION ATTENDANT
AG07	66979017	ANIMAL CARETAKERS, EXCEPT FARM
GX05	22834017	ANNOUNCERS
MK01	33343011	APPRAISERS: REAL ESTATE
TC02	22122301	ARCHITECTS
SV05	22631218	ART, DRAMA, & MUSIC TEACHERS
GX03	22834035	ARTISTS & RELATED WORKERS
SK09	77693956	ASSEMBLERS & FABRICATORS
SK09	77693999	ASSEMBLERS, HAND WORK (NO DETAIL)
MK01	22021917	ASSESSORS
MK04	22834058	ATHLETE, COACH, UMPIRE & RELATED
GX03	22631508	AUDIO-VISUAL SPECIALISTS
SK07	77285301	AUTO & MOTORCYCLE MECHANICS
SK07	77285305	AUTOMOTIVE BODY, RELATED REPAIRER
TC01	77795023	AUXILIARY EQUIP. OPER., POWER
MK04	55868023	BAGGAGE PORTERS & BELLHOPS
PS03	55363023	BAILIFFS
SV06	55565021	BAKERS, BREAD & PASTRY
SV06	77489805	BAKERS, MANUFACTURING
SV03	55868002	BARBERS
SV06	55565005	BARTENDERS
SK07	77285951	BICYCLE REPAIRERS
OF01	44353508	BILL & ACCOUNT COLLECTORS
OF01	44555344	BILLING, COST & RATE CLERKS
GX04	77592546	BINDERY MACHINE OPERATOR
GX04	77592525	BINDERY MACHINE SETTER/OPERATOR

ALPHABETICAL LISTING OF OES TITLES WITH CODES (CON'T)

CLUS #	OES CODE	OES TITLE
HE04	22224308	BIOLOGICAL SCIENTISTS
SK05	77387905	BLASTERS & EXPLOSIVES WORKERS
OF06	77081001	BLUE-COLLAR WORKERS SUPERVISORS
SK09	77489135	BOILERMAKERS
GX04	77489711	BOOKBINDERS
OF01	44555338	BOOKKEEPING & ACCOUNTING CLERKS
SK05	77387302	BRICK MASONS
GX05	22834014	BROADCAST NEWS ANALYSTS
GX05	22834028	BROADCAST TECHNICIANS
OF02	44353128	BROKERAGE CLERKS
MK01	33343005	BROKERS: REAL ESTATE
SV01	55767099	BUILDING SERVICE (NO DETAIL)
SV02	77897108	BUS DRIVERS
SV02	77897111	BUS DRIVERS: SCHOOL
SK06	77285311	BUS, TRUCK, HEAVY EQUIP. MECHANIC
SV06	77489801	BUTCHER, MEATCUTTER, SLAUGHTERER
SK05	77489311	CABINETMAKERS & BENCH CARPENTERS
OF01	44656002	CALCULATING MACHINE OPERATORS
SV06	77693935	CANNERY WORKERS
SK05	77387110	CARPENTERS
SK05	77387602	CARPET INSTALLERS
OF01	33949023	CASHIERS
SK05	77387105	CEILING TILE INSTALLERS
SK08	77592956	CEMENTING, GLUING MACHINE OPER.
SK01	77285502	CENTRAL OFFICE & PBX INSTALLERS
OF03	44757108	CENTRAL OFFICE OPERATORS
TC03	22122114	CHEMICAL ENGINEERS
TC03	77592935	CHEMICAL EQUIP. CONTROLLER/OPER.
TC03	77592938	CHEMICAL EQUIPMENT TENDER
TC03	77795008	CHEMICAL PLANT & SYSTEM OPER.
SV05	22631204	CHEMISTRY TEACHERS
TC03	22224105	CHEMISTS
SV05	55868038	CHILD CARE WORKERS
AG05	66373005	CHOKE SETTERS
TC02	22122502	CIVIL ENGINEERING TECHNICIANS
TC02	22122121	CIVIL ENGINEERS,INCL. TRAFFIC
MK05	22021921	CLAIMS EXAMINERS: INSURANCE
OF04	22021502	CLAIMS TAKERS, UNEMPLOY. BENEFITS
SV08	22427502	CLERGY
OF02	44959999	CLERICAL & SUPPORT (NO DETAIL)
SK08	77592953	COATING, PAINTING MACH. OPER.
SK08	77693908	COIL WINDERS, TAPERS, FINISHERS
SK01	77285947	COIN & VENDING MACHINE SERVICERS
SV05	22631101	COLLEGE & UNIVERSITY FACULTY
SV06	55565041	COMB. FOOD PREPARATION, SERVICE
SK08	77591505	COMBINATION MACH. TOOL SET/OP, M/P
SK08	77591508	COMBINATION MACH. TOOL OPER., M/P
OF06	11515023	COMMUNICATION, TRANSP., UTIL. MGRS.
OF04	22021911	COMPLIANCE OFFICERS & INSPECTORS
OF08	44656011	COMPUTER OPERATORS, EXC. PERIPH.
OF08	22325104	COMPUTER PROGRAMMERS & AIDES
SV05	22631226	COMPUTER SCIENCE TEACHERS

ALPHABETICAL LISTING OF OES TITLES WITH CODES (CON'T)

CLUS #	OES CODE	OES TITLE
SK05	77387311	CONCRETE & TERRAZZO FINISHERS
OF06	11515017	CONSTRUCTION MANAGERS
SK05	77387899	CONSTRUCTION WORKERS (NO DETAIL)
TC04	22021908	CONSTRUCTION, BUILDING INSPECTOR
SK08	77897951	CONVEYOR OPERATORS & TENDERS
SV06	77592917	COOKING MACHINE OPER., FOOD/TOB.
SV06	55565030	COOKS: FAST FOOD & SHORT ORDER
SV06	55565028	COOKS: INSTITUTION OR CAFETERIA
SV06	55565026	COOKS: RESTAURANT
PS03	55363017	CORRECTION OFFICERS & JAILERS
OF02	22021902	COST ESTIMATORS
MK03	33949017	COUNTER & RENTAL CLERKS
OF02	44353702	COURT CLERKS
OF02	44353114	CREDIT AUTHORIZERS
OF02	44353117	CREDIT CHECKERS
PS03	55363044	CROSSING GUARDS
SK08	77592965	CRUSHING & MIXING MACHINE OPER.
LA02	22631511	CURATORS, ARCHIVISTS, MUSEUM TECH.
TC07	77489505	CUSTOM TAILORS & SEWERS
TC07	77693926	CUTTERS & TRIMMERS, HAND
SK08	77592944	CUTTING & SLICING MACHINE OPER.
SV06	77592932	DAIRY PROCESSING EQUIP. OPERATOR
OF07	44656021	DATA ENTRY KEYERS, COMPOSING
OF07	44656017	DATA ENTRY KEYERS, EXC. COMPOSING
SK02	77285705	DATA PROCESSING EQUIP. REPAIRERS
HE02	55666002	DENTAL ASSISTANTS
HE03	22732908	DENTAL HYGIENISTS
HE03	22732105	DENTISTS
TC03	77387914	DERRICK OPERATORS, OIL & GAS
GX03	22834038	DESIGNERS
HE07	22732523	DIETETIC TECHNICIANS
HE07	22732521	DIETITIANS & NUTRITIONISTS
SV06	55565014	DINING ROOM & BARTENDER HELPERS
SV08	22427505	DIRECTORS: RELIGIOUS ACTIV./EDUC.
OF03	44757105	DIRECTORY ASSISTANCE OPERATORS
PS03	44858002	DISPATCHER: POLICE, FIRE, AMBULANCE
OF03	44858005	DISPATCHERS, OTHER
HE07	22732514	DISPENSING & MEASURING OPTICIANS
GX02	22122512	DRAFTERS
SK05	77387108	DRYWALL INSTALLERS
GX04	44656005	DUPLICATING MACHINE OPERATORS
MK02	22427102	ECONOMISTS, MARKET ANALYSTS
OF06	11515005	EDUCATION ADMINISTRATORS
SK01	77285911	ELECTRIC METER INSTALLERS
SK01	77285714	ELECTRIC MOTOR REPAIRERS
SK01	22122505	ELECTRICAL & ELECTRONIC TECHNS.
SK01	77285723	ELECTRICAL POWERLINE INSTALLERS
SK01	77693905	ELECTRICAL, ELECTRONIC ASSEMBLER
SK02	22122126	ELECTRICAL/ELECTRONIC ENGINEERS
SK01	77387202	ELECTRICIANS
HE04	22732926	ELECTROCARDIOGRAPH TECHNICIANS
HE04	22732923	ELECTROENCEPHALOGRAPH TECHN.

ALPHABETICAL LISTING OF OES TITLES WITH CODES (CON'T)

CLUS #	OES CODE	OES TITLE
SK09	77591921	ELECTROLYTIC PLATING OPER., M/P
SK02	77693111	ELECTROMECHANICAL EQ. ASSEMBLER
SK01	77285908	ELECTROMED./BIOMEDICAL REPAIRERS
PS01	22732508	EMERGENCY MEDICAL TECHNICIANS
OF04	22021508	EMPLOYMENT INTERVIEWERS
SV05	22631222	ENGINEERING TEACHERS
TC02	22122599	ENGINEERING TECHN. (NO DETAIL)
TC02	11313017	ENGINEERING, MATH., NAT.SCI. MGR.
TC02	22122199	ENGINEERS (NO DETAIL)
SV05	22631216	ENGLISH & FOREIGN LANGUAGE TEACHERS
TC03	77387999	EXTRACTIVE WORKERS (NO DETAIL)
SK08	77591311	EXTRUDING MACH. SETTER/OPER.,M/P
SK08	77592971	EXTRUDING, FORMING OPERATOR
TC07	77489502	FABRIC & APPAREL PATTERNMAKERS
AG05	66373002	FALLERS & BUCKERS
AG02	22631323	FARM & HOME MANAGEMENT ADVISORS
AG03	77285321	FARM EQUIPMENT MECHANICS
AG05	66272001	FARM, FORESTRY SUPERVISORS
SK05	77387817	FENCE ERECTORS
OF02	44555321	FILE CLERKS
MK02	11313002	FINANCIAL MANAGERS
MK02	22021199	FINANCIAL SPECIALISTS (NO DETAIL)
PS02	55363008	FIRE FIGHTERS
PS02	55161002	FIRE FIGHTING SUPERVISORS
PS02	55363001	FIRE INSPECTORS
AG06	55363041	FISH & GAME WARDENS
SV06	77489808	FOOD BATCHMAKERS
SV06	55565038	FOOD PREPARATION WORKERS
MK04	11515026	FOOD SERVICE & LODGING MANAGERS
SV06	55565099	FOOD SERVICE WORKERS (NO DETAIL)
AG05	66979002	FOREST & CONSERVATION WORKERS
AG05	22224302	FORESTER, CONSERVATION SCIENTIST
SK01	77285505	FRAME WIRERS: CENTRAL OFFICE
TC01	77591935	FURNACE OPERATORS & TENDERS
TC01	77592923	FURNACE, KILN, OVEN, KETTLE OPER.
SK05	77489314	FURNITURE FINISHERS
AG04	66979014	GARDENERS & GROUNDSKEEPERS
TC03	77795017	GAUGERS
OF06	11919005	GENERAL MANAGERS & TOP EXEC.
OF02	44555347	GENERAL OFFICE CLERKS
TC04	22224111	GEOPHYSICISTS
SK05	77387811	GLAZIERS
SK06	77897938	GRADER, DOZER, SCRAPER OPER.
AG01	66979011	GRADERS & SORTERS: AGRICULTURAL
SV05	22631117	GRADUATE ASSISTANTS, TEACHING
TC06	77591114	GRINDING, BUFFING MACH. SET/OP., M/
PS03	55363047	GUARDS & WATCH GUARDS
MK04	55868017	GUIDES
SV04	55868005	HAIRDRESSERS & COSMETOLOGISTS
SK05	77998999	HAND LABORERS (NO DETAIL)
SK05	77998799	HAND MATERIAL MOVERS (NO DETAIL)
MK03	77998902	HAND PACKERS & PACKAGERS

ALPHABETICAL LISTING OF OES TITLES WITH CODES (CON'T)

CLUS #	OES CODE	OES TITLE
SK05	77387308	HARD TILE SETTERS
AG05	77592305	HEAD SAWYERS
HE07	55666099	HEALTH SERVICE WORKER (NO DETAIL)
SV05	22631212	HEALTH SPECIALTIES TEACHERS
SK03	77285902	HEATING, A.C., REFRIGERATION MECH.
SK06	77285314	HEAVY EQUIPMENT MECHANICS
SK05	77998301	HELPERS: CONSTRUCTION
SK05	77998323	HELPERS: EXTRACTIVE WORKERS
SK05	77387711	HIGHWAY MAINTENANCE WORKERS
SK06	77897940	HOIST, WINCH, CRANE OPERATORS
SK03	77285709	HOME APPLIANCE, TOOLS REPAIRERS
SK01	77285708	HOME ENTERTAINMENT EQ. REPAIRERS
SV06	55565002	HOSTS & HOSTESSES
MK04	44353808	HOTEL DESK CLERKS
SV01	55761008	HOUSEKEEPERS, HOTEL & MOTEL
SK02	77285717	INDUSTRIAL ELECTRONICS REPAIRERS
TC09	22122128	INDUSTRIAL ENGINEERS, EXC. SAFETY
MK03	11515014	INDUSTRIAL PRODUCTION MANAGERS
SK06	77897947	INDUSTRIAL TRUCK/TRACTOR OPER.
SK05	77285938	INSTALLERS: MANUFACTURED BLDGS.
SV05	22631321	INSTRUCTORS & COACHES: SPORTS
SV05	22631317	INSTRUCTORS: NONVOCATIONAL EDUC.
SK05	77387802	INSULATION WORKERS
MK05	44353302	INSURANCE ADJUSTERS/INVESTIGATOR
MK05	44353305	INSURANCE APPRAISERS: AUTO
MK05	44353311	INSURANCE CLAIMS CLERKS
MK05	44353308	INSURANCE EXAMINING CLERKS
MK05	44353314	INSURANCE POLICY PROCESS. CLERKS
SV01	55767001	JANITOR, PORTER, CLEANER, MAID
TC06	77489123	JEWELERS & SILVERSMITHS
OF04	22528101	JUDGES, MAGISTRATES, ADJUDICATOR
SK08	77591105	LATHE, TURNING MACH. SETTER/OP., M/
TC07	77592726	LAUNDRY, DRYCLEANING MACH. OPER.
OF04	22528302	LAW CLERKS
OF04	22528108	LAWYERS
OF04	22528399	LEGAL OCCUPATIONS (NO DETAIL)
GX04	77592515	LETTERPRESS SETTER/OPERATOR
LA03	22631502	LIBRARIANS, PROFESSIONAL
LA03	44353902	LIBRARY ASSISTANTS, BOOKMOBILE
OF02	44353708	LICENSE CLERKS
HE05	29731505	LICENSED PRACTICAL NURSES
SV05	22631202	LIFE SCIENCES TEACHERS
HE04	22224399	LIFE SCIENTISTS (NO DETAIL)
OF02	44353121	LOAN & CREDIT CLERKS
TC06	77285923	LOCKSMITHS & SAFE REPAIRERS
SV02	77897305	LOCOMOTIVE ENGINEERS
SV02	77897311	LOCOMOTIVE FIRERS
AG05	66979008	LOG GRADERS & SCALERS
AG05	66373008	LOG HANDLING EQUIPMENT OPERATORS
SK06	66373011	LOGGING TRACTOR OPERATORS
TC01	77592926	LOW PRESSURE BOILER OPERATOR
SK08	77693105	MACHINE BUILDERS

ALPHABETICAL LISTING OF OES TITLES WITH CODES (CON'T)

CLUS #	OES CODE	OES TITLE
SK08	77998502	MACHINE FEEDERS & OFFBEARERS
SK08	77591321	MACHINE FORMING OPERATORS, M/P
SK08	77592998	MACHINE OPERATORS (NO DETAIL)
SK08	77591117	MACHINE TOOL CUTTING OPER., M/P
SK08	77285128	MACHINERY MAINTENANCE WORKERS
SK08	77285113	MACHINERY MECH: SEWING MACH.
SK08	77285117	MACHINERY MECH: UNDERGROUND MINE
SK08	77285118	MACHINERY MECHANIC: PLANT
SK08	77489108	MACHINISTS
OF02	44757302	MAIL CLERKS, EXC. MAIL MACHINE
SK05	77285132	MAINTENANCE REPAIRERS, GENERAL
OF06	11919999	MANAGERS & ADMIN. (NO DETAIL)
SV04	55868008	MANICURISTS
MK02	11313011	MARKETING, ADV.,PUB. REL. MGRS.
SK06	77897989	MATERIAL MOVING OPER. (NO DETAIL)
SK05	44858099	MATERIAL WORKERS (NO DETAIL)
SV05	22631224	MATHEMATICAL SCIENCES TEACHERS
SV06	77693938	MEAT, POULTRY, FISH CUTTERS
TC05	77285928	MECHANICAL CONTROL INSTALLERS
TC05	22122511	MECHANICAL ENGINEERING TECHN.
TC05	22122135	MECHANICAL ENGINEERS
SK08	77285999	MECHANICS, INSTALLERS (NO DETAIL)
HE04	22732902	MED./CLINICAL LAB. TECHNOLOGISTS
HE04	22732905	MED./CLINICAL LAB. TECHNICIANS
HE06	55666005	MEDICAL ASSISTANTS
HE01	22732911	MEDICAL RECORDS TECHNICIANS
HE04	22224311	MEDICAL SCIENTISTS
OF06	11515008	MEDICINE & HEALTH SERV. MGRS.
TC07	77285956	MENDERS: GARMENTS, LINENS
MK03	22834044	MERCHANDISE DISPLAYERS
OF03	44757311	MESSENGERS
SK09	77591908	METAL MOLDING, CASTING SETTER/OP.
SK09	77693941	METAL POURERS, BASIC SHAPES
TC04	22122105	METALLURGISTS & MATERIAL ENGRS.
TC04	22224108	METEOROLOGISTS
SK01	44858014	METER READERS: UTILITIES
SK06	77285123	MILLWRIGHTS
SK06	77387943	MINE CUTTING MACHINE OPERATORS
TC04	22122108	MINING ENGINEERS, INCL. SAFETY
TC04	11515021	MINING, QUARRY, OIL DRILL MGRS
SK09	77693944	MOLDERS & CASTERS, HAND
GX03	77592905	MOTION PICTURE PROJECTIONISTS
OF02	44353705	MUNICIPAL CLERKS
TC06	77285921	MUSICAL INSTRUMENT REPAIRERS
GX03	22834051	MUSICIANS,INSTRUMENTAL
OF01	44353105	NEW ACCOUNTS CLERKS
SK09	77591926	NONELECTROLYTIC PLATING OPER. M/P
TC01	22122117	NUCLEAR ENGINEERS
HE08	22732914	NUCLEAR MED., RADIOLOGIC TECHN.
SK08	77591502	NUMERICAL CONTROL MACH. TOOL, M/P
AG04	66979005	NURSERY WORKERS
HE06	55666008	NURSING AIDES, ORDERLIES

ALPHABETICAL LISTING OF OES TITLES WITH CODES (CON'T)

CLUS #	OES CODE	OES TITLE
HE07	22732305	OCCUPATIONAL THERAPISTS
HE07	55666021	OCCUPATIONAL THERAPY ASSISTANTS
OF02	44656099	OFFICE MACH. OPERATOR (NO DETAIL)
SK02	77285926	OFFICE MACHINE SERVICER
GX04	77592512	OFFSET LITHOGRAPHIC PRESS SETTER
TC03	77897908	OIL PUMPERS, EXCEPT WELL HEAD
SK06	77897956	OPERATING ENGINEERS
HE07	22732108	OPTOMETRISTS
MK03	44555323	ORDER CLERKS: MATERIALS, SERVICE
SK02	77285599	OTHER COMMUNICATION MECHANICS
HE07	22732999	OTHER HEALTH PROFESSIONALS,TECHN
SK08	77592198	OTHER METAL/PLASTIC MACH. OPER.
SV06	77489899	OTHER PRECISION FOOD, TOBACCO
GX04	77592599	OTHER PRINTING MACHINE OPERATORS
SK08	77592974	PACKAGING, FILLING MACHINE OPER.
SK05	77387402	PAINTERS & PAPERHANGERS
SK07	77592947	PAINTERS: TRANSPORTATION EQUIP.
SK07	77693947	PAINTING & COATING, HAND
SK08	77592914	PAPER GOODS MACHINE SETTER/OPER.
OF04	22528305	PARALEGAL PERSONNEL
PS03	55363021	PARKING ENFORCEMENT OFFICERS
SV02	77897808	PARKING LOT ATTENDANTS
SK08	77489302	PATTERN & MODEL MAKERS: WOOD
SK09	77489114	PATTERN & MODEL MAKERS: METAL
OF02	44555341	PAYROLL & TIMEKEEPING CLERKS
OF08	44656014	PERIPHERAL EDP EQUIP. OPERATORS
OF04	44555314	PERSONNEL CLERKS, EXCEPT PAYROLL
OF04	22021511	PERSONNEL, LABOR REL. SPECIALIST
OF04	11313005	PERSONNEL, TRAINING, LABOR REL. MGR.
SV01	55767008	PEST CONTROLLERS & ASSISTANTS
TC03	22122111	PETROLEUM ENGINEERS
TC03	77795014	PETROLEUM REFINERY OPERATORS
TC03	22224511	PETROLEUM TECHNICIANS
HE07	22732517	PHARMACISTS
HE07	55666026	PHARMACY ASSISTANTS
GX04	77592545	PHOTOENGRAVING MACHINE OPERATOR
GX04	77592521	PHOTOENGRAVING PHOTOGRAPHERS
GX04	22834023	PHOTOGRAPHERS
GX04	77592908	PHOTOGRAPHIC PROCESSING MACH. OP.
HE04	22224599	PHYS/LIFE SCI. TECHN. (NO DETAIL)
TC04	22224199	PHYSICAL SCIENTISTS (NO DETAIL)
HE07	22732308	PHYSICAL THERAPISTS
HE07	55666017	PHYSICAL THERAPY ASSISTANTS
HE10	22732511	PHYSICIAN'S ASSISTANTS
HE10	22732102	PHYSICIANS & SURGEONS
TC04	22224102	PHYSICISTS & ASTRONOMERS
SV05	22631206	PHYSICS TEACHERS
SK05	77387508	PIPELAYERS
SK05	77387505	PIPELAYING FITTERS
TC01	77795099	PLANT & SYSTEM OCC. (NO DETAIL)
SK05	77387317	PLASTERERS & STUCCO MASONS
SK08	77591905	PLASTIC MOLDING, CASTING OPER.

ALPHABETICAL LISTING OF OES TITLES WITH CODES (CON'T)

CLUS #	OES CODE	OES TITLE
SK05	77387502	PLUMBER, PIPEFITTER, STEAMFITTER
HE10	22732111	PODIATRISTS
PS03	55161005	POLICE & DETECTIVE SUPERVISORS
PS03	55363009	POLICE DETECTIVES
PS03	55363014	POLICE PATROL OFFICERS
SK08	77693928	PORTABLE MACHINE CUTTERS
OF03	44757305	POSTAL MAIL CARRIERS
OF02	44757308	POSTAL SERVICE CLERKS
OF06	11515002	POSTMASTERS, MAIL SUPERINTENDENT
TC01	77795028	POWER DISTRIBUTORS & DISPATCHERS
TC06	77693199	PRECISION ASSEMBLERS (NO DETAIL)
HE02	77489921	PRECISION DENTAL LABORATORY TECH
SK09	77489911	PRECISION DETAIL DESIGN
SK09	77489902	PRECISION FOUNDRY MOLD/CORE
SK08	77183002	PRECISION INSPECTORS, GRADERS
TC06	77489105	PRECISION INSTRUMENT MAKERS
TC06	77285905	PRECISION INSTRUMENT REPAIRERS
SK09	77489117	PRECISION LAYOUT WORKERS: METAL
GX04	77489708	PRECISION LITHOGRAPHERS
SK09	77489905	PRECISION MOLDERS, SHAPERS
SK09	77489908	PRECISION PATTERN, MODELMAKERS
GX04	77489914	PRECISION PHOTOGRAPHIC PROCESS
TC06	77489999	PRECISION PRODUCTION (NO DETAIL)
SK09	77693108	PRECISION STRUCT. METAL FITTERS
GX04	77489702	PRECISION TYPESETTERS
SK08	77591305	PRESS, BRAKE MACH.SETTER/OP.,M/P
TC07	77693921	PRESSERS, HAND
TC07	77592728	PRESSING MACH. OPERATOR: TEXTILES
GX04	77592543	PRINTING PRESS MACHINE OPERATOR
PS03	55363035	PRIVATE INVESTIGATOR, DETECTIVE
MK03	44555326	PROCUREMENT CLERKS
GX03	22834056	PRODUCERS, ACTORS, ENTERTAINERS
SK08	77183004	PRODUCTION INSPECTORS, GRADERS
MK03	44858008	PRODUCTION, EXPEDITING CLERKS
OF06	22939999	PROFESSIONAL/TECHN. (NO DETAIL)
OF08	22325111	PROGRAMMERS: TOOL, NUMERICAL
GX04	44353911	PROOFREADERS & COPY MARKERS
MK01	11515011	PROPERTY, REAL ESTATE MANAGEMENT
PS03	55363099	PROTECTIVE SERVICE (NO DETAIL)
HE06	55666014	PSYCHIATRIC AIDES
HE07	22427108	PSYCHOLOGISTS
OF06	11919002	PUBLIC ADMINISTRATION EXECUTIVES
GX01	22834008	PUBLIC RELATIONS SPECIALISTS
MK03	22021308	PURCHASING AGENTS
MK03	11313008	PURCHASING MANAGERS
SK02	77285514	RADIO MECHANICS
SK02	22939008	RADIO OPERATORS
HE08	22732921	RADIOLOGIC TECHNICIANS
SK07	77285317	RAIL CAR REPAIRERS
SK06	77897308	RAIL YARD ENGINEERS, DINKEY OPER.
SK06	77387714	RAIL-TRACK LAYING EQUIP. OPER.
SK02	77897317	RAILROAD BRAKE, SIGNAL, SWITCH

ALPHABETICAL LISTING OF OES TITLES WITH CODES (CON'T)

CLUS #	OES CODE	OES TITLE
SV02	77897302	RAILROAD CONDUCTORS, YARDMASTERS
MK01	44353914	REAL ESTATE CLERKS
OF03	44555305	RECEPTIONISTS, INFORMATION CLERKS
HE07	22732317	RECREATION THERAPISTS
MK04	22427311	RECREATION WORKERS
SV01	77998705	REFUSE COLLECTORS
HE09	22732502	REGISTERED NURSES
SK05	77387314	REINFORCING METAL WORKERS
GX05	22834011	REPORTERS & CORRESPONDENTS
MK04	44353805	RESERVATION TICKET AGENTS
HE07	22732302	RESPIRATORY THERAPISTS
SK06	77285935	RIGGERS
SV06	77592921	ROASTING,DRYING OPER., FOOD/TOB.
SK06	77387923	ROOF BOLTERS
SK05	77387808	ROOFERS
SK06	77387911	ROTARY DRILL OPERATORS
SK06	77387921	ROUSTABOUTS
TC04	22122132	SAFETY ENGINEERS, EXCEPT MINING
MK03	33949999	SALES & RELATED OCC. (NO DETAIL)
MK02	33343017	SALES AGENTS: BUSINESS SERVICES
MK02	33343014	SALES AGENTS: FINANCIAL SERVICES
MK05	33343002	SALES AGENTS: INSURANCE
MK01	33343008	SALES AGENTS: REAL ESTATE
MK03	44858026	SALES ORDER FILLERS
MK03	33949011	SALES PERSONS: RETAIL
SK08	77591102	SAWING MACH. TOOL SETTER/OP., M/P
SK08	77592308	SAWING MACHINE OPERATOR/TENDER
SK08	77592302	SAWING MACHINE SETTER/OPERATOR
OF05	44555101	SECRETARIES
SK08	77592962	SEPARATING, FILTERING MACH. OP.
MK03	33343099	SERVICE SALES OCC. (NO DETAIL)
SK07	77897805	SERVICE STATION ATTENDANTS
TC03	77387917	SERVICE UNIT OPERATORS
SV01	55969999	SERVICE WORKERS (NO DETAIL)
TC07	77693923	SEWERS, HAND
TC07	77592721	SEWING MACH. OPER.: NON-GARMENT
TC07	77592717	SEWING MACH. OPERATOR: GARMENT
SK09	77489132	SHEET METAL WORKERS
PS03	55363031	SHERIFFS, DEPUTIES, US MARSHALL
TC07	77489511	SHOE & LEATHER, PRECISION
TC07	77592723	SHOE SEWING MACHINE OPERATOR
SK02	77285511	SIGNAL OR SWITCH MAINTAINERS
SK07	77285328	SMALL ENGINE SPECIALISTS
SV05	22631210	SOCIAL SCIENCES TEACHERS
SV09	22427199	SOCIAL SCIENTISTS (NO DETAIL)
SV09	55868034	SOCIAL SERVICE AIDES
SV09	22427310	SOCIAL WORKERS
MK05	22021505	SPECIAL AGENTS, INSURANCE
HE07	22732314	SPEECH PATHOLOGISTS, AUDIOLOGISTS
OF01	44353126	STATEMENT CLERKS
TC01	77795032	STATIONARY ENGINEERS
OF01	44555328	STATISTICAL CLERKS

ALPHABETICAL LISTING OF OES TITLES WITH CODES (CON'T)

CLUS #	OES CODE	OES TITLE
TC02	22325312	STATISTICIANS
OF05	44555302	STENOGRAPHERS
MK03	44858023	STOCK CLERKS
MK03	33949021	STOCK CLERKS: SALES FLOOR
SK05	77387305	STONE MASONS
SK09	77591714	STRUCTURAL METAL FABRICATORS
SK09	77387814	STRUCTURAL METAL WORKERS
HE05	22732928	SURGICAL TECHNICIANS
TC04	22122309	SURVEYORS
OF03	44757102	SWITCHBOARD OPERATORS
OF08	22325102	SYSTEMS ANALYSTS:DATA PROCESSING
SK06	77897905	TANK CAR & TRUCK LOADERS
SK05	77387111	TAPERS
OF01	22021914	TAX EXAMINERS & COLLECTORS
MK05	22021111	TAX PREPARERS
SV02	77897114	TAXI DRIVERS & CHAUFFEURS
SV05	44353904	TEACHER'S AIDES, EDUC. ASSISTANTS
SV05	22631399	TEACHERS, INSTRUCTORS (NO DETAIL)
SV05	22631304	TEACHERS: ELEMENTARY SCHOOL
SV05	22631301	TEACHERS: PRESCHOOL
SV05	22631308	TEACHERS: SECONDARY SCHOOL
SV05	22631314	TEACHERS: VOCATIONAL EDUCATION
LA03	22631505	TECHNICAL ASSISTANTS: LIBRARY
SK02	22939099	TECHNICIANS (NO DETAIL)
OF03	44757111	TELEGRAPH & TELETYPE OPERATORS
SK02	77285726	TELEPHONE STATION INSTALLERS
SK01	77285702	TELEPHONE, CABLE TV INSTALLERS
OF01	44353102	TELLERS
TC07	77592705	TEXTILE MACHINE OPERATORS
HE07	22732399	THERAPISTS (NO DETAIL)
SK07	77285953	TIRE REPAIRERS & CHANGERS
MK01	22528306	TITLE EXAMINERS & CLERKS
SK08	77489102	TOOL & DIE MAKERS
MK03	44858028	TRAFFIC, SHIPPING CLERKS
OF02	44353108	TRANSIT CLERKS
MK04	33343021	TRAVEL AGENTS
MK04	44353802	TRAVEL CLERKS
SK06	77897101	TRUCK DRIVERS
GX03	22834026	TV & MOTION PIC. CAMERA OPERATOR
GX04	77592541	TYPESETTING MACH. OPERATOR/TEND.
OF02	44555307	TYPISTS
SK06	77897932	UNDERGROUND LOADING MACH. OPER.
MK05	22021102	UNDERWRITERS
TC07	77489508	UPHOLSTERERS
TC02	22427105	URBAN & REGIONAL PLANNERS
MK04	55868021	USHERS & TICKET TAKERS
OF03	44555335	UTILITIES CUSTOMER SERVICE REPS
SV02	77998905	VEHICLE, EQUIPMENT CLEANERS
AG07	22732114	VETERINARIANS, VET. INSPECTORS
SV05	22631514	VOCATIONAL & EDUC. COUNSELORS
SV06	55565008	WAITERS & WAITRESSES
TC06	77285917	WATCHMAKERS

ALPHABETICAL LISTING OF OES TITLES WITH CODES (CON'T)

CLUS #	OES CODE	OES TITLE
TC04	77795002	WATER & WASTE TREAT. PLANT OPER.
MK03	44858017	WEIGHERS, MEASURERS, CHECKERS
SK04	77693914	WELDERS & CUTTERS
SV09	44353502	WELFARE ELIGIBILITY WORKERS
TC04	77897911	WELL HEAD PUMPERS
MK02	22021302	WHOLESALE & RETAIL BUYERS
SK08	77489308	WOOD MACHINISTS
SK08	77592314	WOODWORKING MACHINE OPERATORS
SK08	77592311	WOODWORKING MACHINE SETTER/OPER.
GX01	22834001	WRITERS, AUTHORS & EDITORS

(6610)

RESEARCH & ANALYSIS BUREAU
DEPARTMENT OF LABOR & INDUSTRY
P.O. BOX 1728
HELENA, MONTANA 59624

OFFICIAL BUSINESS

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800 copies of this publication were produced at a unit cost of $2.45 per copy, for a total cost of $1,957.50, which includes $1,205.50 for printing and $752.00 for distribution.